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U. S. DEPARTMENT OF COMMERCE

WEATHER BUREAU

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KEY TO METEOROLOGICAL RECORDS DOCUMENTATION NO. 5.37

CATALOGUE OF METEOROLOGICAL
SATELLITE DATA—TIROS VII
TELEVISION CLOUD
PHOTOGRAPHY

Part 2



U. S. DEPARTMENT OF COMMERCE

JOHN T. CONNOR, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

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WASHINGTON, D. C. : 1965

PURPOSE

The Key To Meteorological Records Documentation Series has been established to provide guidance information to research personnel making use of climatological data.

Frequently users of such data have found it necessary to spend a great deal of time establishing whether the criteria for observing or computing various elements have changed over the period of record or in what form the data are available.

It is therefore hoped that the presentation of this series may not only conserve valuable time but may have a direct influence in improving the accuracy of research results.

PREFACE

This bulletin is one of a series describing the television cloud photographs obtained by the TIROS VII meteorological satellite. It contains a listing of the cloud photograph sequences taken during the period from January 1, 1964 to June 30, 1964, together with a set of maps showing a schematic nephanalysis for each sequence. It also describes how copies of these photographs may be obtained from the National Weather Records Center. Similar material covering subsequent periods of this satellite's operation will be published in separate catalogues.

Documentation Section
National Weather Satellite Center

EARLIER TIROS DATA CATALOGUES

Catalogues of earlier TIROS Meteorological Satellite data are available in this series, as follows:

- No. 5.31 "Catalogue of Meteorological Satellite Data - TIROS I Television Cloud Photography", published in 1961, price 70 cents.
- No. 5.32 "Catalogue of Meteorological Satellite Data - TIROS II Television Cloud Photography", published in 1963, price 20 cents.
- No. 5.33 "Catalogue of Meteorological Satellite Data - TIROS III Television Cloud Photography", published in 1962, price 70 cents.
- No. 5.34 "Catalogue of Meteorological Satellite Data - TIROS IV Television Cloud Photography", published in 1963, price \$1.00.
- No. 5.35 "Catalogue of Meteorological Satellite Data - TIROS V Television Cloud Photography", published in 1964, price \$1.75.
- No. 5.36 "Catalogue of Meteorological Satellite Data - TIROS VI Television Cloud Photography", published in 1964, price \$2.00.
- No. 5.37 "Catalogue of Meteorological Satellite Data - TIROS VII Television Cloud Photography, Part 1, June 19, 1963 to December 31, 1963", published in 1965, price \$1.25.

CATALOGUE OF METEOROLOGICAL SATELLITE DATA --
TIROS VII TELEVISION CLOUD PHOTOGRAPHY
PART 2 -- January 1, 1964
to June 30, 1964

The TIROS VII meteorological satellite was launched on June 19, 1963 by the National Aeronautics and Space Administration. Traveling in a nearly circular orbit, it averaged about 343 nautical miles above the earth's surface, with a difference of 16 nautical miles between apogee and perigee. It had an orbital period of 97.4 minutes which corresponds to fourteen and a fraction passes around the earth each day. The orbit was inclined at an angle of 58.2° to the earth's equatorial plane and thus picture coverage was obtained only in the zone bounded roughly by 65° N. and S. latitude.

The satellite was spinning at a rate that varied between 8 and 12 rpm. Being spin-stabilized, the spin axis orientation in space changed only gradually during its operational lifetime. Its two cameras were mounted with their optical axes parallel to the spin axis and were able to view the earth during less than half of each orbital pass. Usable picture coverage was thus restricted to the portion of each orbital pass during which the underlying earth was both sunlit and within view of the cameras. Each of the two cameras on TIROS VII had a wide-angle lens which covered an area about 700 miles square when the optical axis was normal to the earth's surface. At other times a larger area was viewed in oblique perspective.

Camera action aboard TIROS VII was controlled from three Command-and-Data Acquisition (CDA) stations: one located at Wallops Station near Chincoteague, Va.; one at Pacific Missile Range, Point Mugu, Calif.; and the other at Gilmore Creek, Fairbanks, Alaska. The satellite came within radio range of one or more of these stations for a few minutes each on 8 or sometimes 9 of its 14 daily passes. During these radio contacts the station could:

1. receive a series of television pictures directly as they were taken, if it was daytime and the optical axes were appropriately oriented;
2. command the system to take pictures remote from the CDA station after a specified time delay and store them on tape aboard the satellite;
3. play back one previously commanded tape sequence from each camera.

Pictures received by the direct mode were taken only over the United States and nearby ocean areas, while tape sequences usually show other parts of the world. In the region traversed during the five or six consecutive passes when the satellite could not be contacted, picture coverage was limited to one tape sequence by each camera each day.

Tape pictures were obtained in sequences up to 32 frames each. Direct sequences were usually shorter and more variable in length. Occasionally the direct pictures obtained at one station on one pass may be grouped into two sequences if the series was interrupted to permit playback of a tape sequence. The time interval between frames was either 10 or 30 seconds in most direct sequences, and was always 30 seconds in tape sequences.

The pictures are virtually square with some small distortion resulting from the particular setting of the electronic readout equipment. "Fiducial marks" etched on the face of the vidicon tube appear in the picture image as a central cross and four L-shaped corners, although they may show poorly or not at all against a dark background.

Since the satellite was spinning, the earth's image rotates from frame to frame by an amount that depends on how much the satellite's spin rate departed from being an integral number of rotations during the picture-taking interval. The rotation rate may be considered constant during any one sequence. The center of rotation, which is the point where the optical and spin axes intersect the image plane, is not quite at the central fiducial cross mark. See Reference 3 for photogrammetric information needed to precisely orient TIROS VII pictures.

Cloud picture transmissions received at CDA stations were displayed on a television screen and simultaneously recorded on magnetic tape. A 35 mm. camera photographed the television screen, including also a lighted panel board mounted underneath. The panel board information provides a legend for each picture including camera number, mode (TAPE or DIRECT), frame number, orbit pass number, and station initial preceded by "7" for TIROS VII. Occasionally a clock appears in the legend but the time shown has no relation to picture taking time.

In the example of figure 1, the legend indicates the picture was received and taken on orbital pass number 0569 and that it is a TAPE picture taken by camera 1. The letter W at right center following the number "7" indicates the picture was acquired at the Wallops Station.

The panel board legend also contains a series of numerals whose sum indicates the frame number. In figure 1, the frame number is 21, representing the sum of 16, 4 and 1. (At the bottom of the panel board is a similar series of numerals intended to give information on sun angle, but the system did not work properly and the values cannot be easily interpreted.) Within each sequence, the indicated frame numbers increase in the order that the pictures were received at the CDA station. For direct mode this is the time order in which the pictures were taken. But tape sequences were played back to the station in reverse time order. Pictures of both modes are arranged on the film in order of increasing frame number; therefore it is important to note that this arrangement is correct time order for direct sequences, but is reverse time order for tapes.

The orderly time sequence of pictures is sometimes interrupted by spurious noise frames or complicated by skipped frames. In such cases the frame numbers are not a dependable indicator of real picture counts. However, the regular rotation of image orientation is often a helpful clue in determining the actual time interval between particular frames.

The following pages of maps and tabulated listings give descriptive information about the pictures obtained by TIROS VII. In the listings each picture sequence is described by one line, and for each station the sequences are listed in the order in which they appear on the film reel. The column headings and entries have the following meanings:

REEL: Number of the film reel which contains the sequence.

FILM LEGEND: This section gives the information actually appearing on the film in the panel board legend accompanying each picture. This information is used to identify the sequence on the film reel.

PASS: Orbital pass number on which the pictures were read out, as indicated in the upper right corner of the legend.

M: Mode of transmission indicated in the legend.

D = Direct

T = Tape

C: Camera number indicated in the legend.

1 = Camera number one

2 = Camera number two

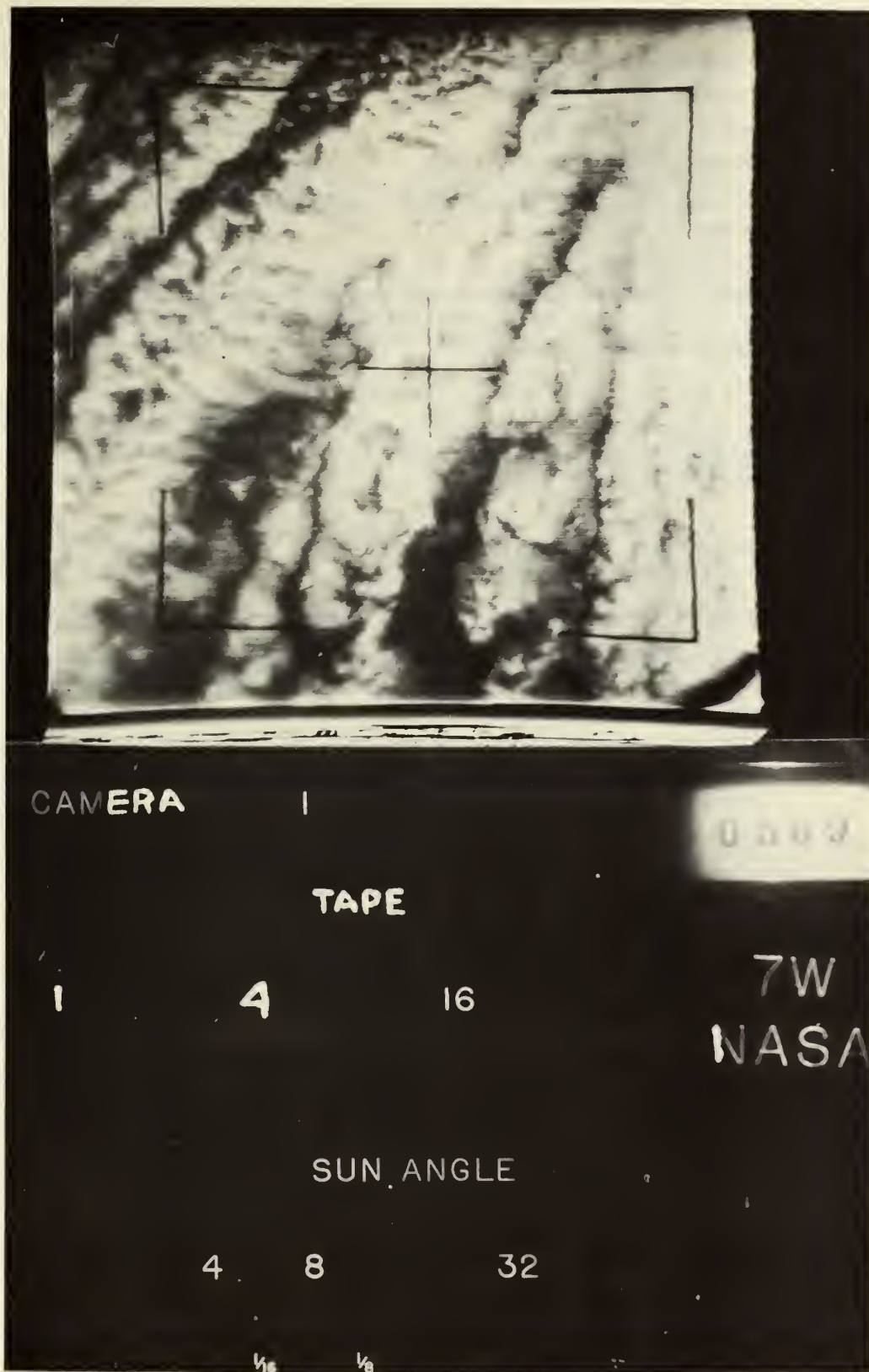


Figure 1 - Example of TIROS VII Cloud Photography

S: CDA station which received the sequence.

W = Wallops Station, Va.

P = Point Mugu, (Pacific Missile Range), Calif.

F = Fairbanks, Alaska

PICTURE SEQUENCE DATA: This section documents the picture content. Sequences having no usable frames or unknown times are on the film reel and are therefore included in the listings, but are not fully documented in this section.

PASS: Orbital pass number on which the first picture of the sequence was taken. For direct sequences this pass number and the readout pass number given under FILM LEGEND are the same. For tape sequence, however, picture taking usually began on an earlier pass.

DATE: Month and day of the middle frame of the sequence.

TIME: Approximate time, in hours and minutes (GMT), of the midpoint in the sequence. This time is also given with the nephanalysis on the coverage map.

FRAME:

TI: Time interval, in seconds, between frames. V indicates time interval varies within the sequence.

US: Number of usable frames in the sequence.

+: Number of frames in which the central fiducial cross mark appears on the earth, indicating that the earth's image occupies a substantial portion of the picture.

GEOGRAPHICAL AREA COVERED: Column headings refer to numbered areas outlined on the first map. Column entries indicate the areas included in the picture sequence.

METEOROLOGICAL AND OTHER FEATURES:

EXTRATROPICAL CIRCULATIONS - TABLE (1)

0. CLOUD VORTEX (Well Defined)
1. CLOUD VORTEX (Poorly Defined)
2. CLOUD VORTEX (With frontal band or other associated band(s))
3. CLOUD VORTEX (WITH DOUBLE CENTER)
4. CIRCULATION CENTER
- 5.
- 6.
- 7.
- 8.
9. CLOUD VORTEX (Unusual Appearance)

TROPICAL DISTURBANCES - TABLE (2)

0. Hurricane or TYPHOON (Named)
1. Tropical STORM (Named)
2. CLOUD VORTEX (Well Defined)
3. CLOUD VORTEX (Poorly Defined)
4. DISTURBED AREA (2 deg. or less in extent)
5. DISTURBED AREA (2 deg. to 4 deg. in extent)
6. DISTURBED AREA (Over 4 deg. in extent)
7. ASYMPOTES OF CONVERGENCE
8. APPARENT ITC ZONE
- 9.

BANDS - TABLE (3)

0. PROBABLE FRONT (Well Defined)
1. PROBABLE FRONT (Poorly Defined)
2. APPARENT OCCLUDED FRONT
3. APPARENT STABLE OR OPEN WAVE
4. PROBABLE FRONT (With Cloud Vortex)
5. BAND, LOW LATITUDE (Within 15° of the Equator)
6. BAND, HIGH THIN CLOUDS (Possible Jet association)
7. PRESUMED NON-FRONTAL
- 8.
9. BAND OF UNUSUAL APPEARANCE

CLOUD FEATURES - TABLE (4)

0. SOLID CELLS (Random)*
1. SOLID CELLS (Organized Pattern)*
2. HOLLOW POLYGONAL OR CRESCENT PATTERN*
3. VERMICULATED CLOUD PATTERN*
4. COASTAL STRATUS
5. INLAND STRATUS OR FOG (Including penetrating coastal stratus)
6. CLOUD STREETS (Extratropical)
7. CLOUD STREETS (Tropical)
- 8.
- 9.

*0, 1, 2 and 3 refer to homogeneous cloud field greater than 3 deg. of great circle arc in diameter.

CLOUD FEATURES - TABLE (5)











0. CUMULONIMBUS (No Apparent Organization)
1. CB's or other evidence of violent weather over the U. S.
2. CB's in apparent Squall Lines
3. EDDY PATTERNS
4. VORTICAL PATTERN IN A CELLULAR FIELD
5. MOUNTAIN WAVE CLOUDS
6. APPARENT GRAVITY WAVES (Not obviously associated with terrain)
- 7.
- 8.
9. UNUSUAL CLOUD CONFIGURATION

MISCELLANEOUS - TABLE (6)





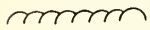

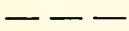
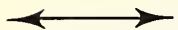
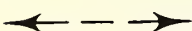
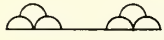





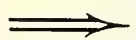





0. ICE OR SNOW (Glacial)
1. SNOW (Non-mountainous)
2. SNOW (Mountain)
3. ICE ON SEAS
4. ICE ON LAKES OR RIVERS
5. SUN GLINT
6. HAZE OR SMOG
7. PROBABLE CONTRAILS
8. LANDMARK OF EXCEPTIONAL QUALITY
9. LANDMARK, DISCERNIBLE

Following the listings is a series of maps which shows the area covered by each sequence having usable frames and for which picture taking time has been determined. Most of the picture sequences were analyzed for their cloud content during routine operations, and these nephanalyses have been reproduced on the maps. Satellite attitude and exposure time are not always accurately known at the time the nephanalyses are constructed. However, most of the nephanalyses are considered to be geographically accurate to about $\pm 2^\circ$ with a few ranging from $\pm 1^\circ$ to $\pm 5^\circ$. Users are cautioned not to attribute any greater accuracy to the location of cloud patterns shown.

The following legend defines the symbols used in the nephanalyses before January 3, 1964:

MAJOR BOUNDARY			
MINOR BOUNDARY			
CLEAR	CLR		
SCATTERED	S		
BROKEN	B		STFM 
OVERCAST	+		CUFM 
HEAVY	+		CIFM 
THIN	-		CB 
		BANDS	
		VORTEX	

Beginning on January 3, 1964, the symbols used in the nephanalyses are defined as follows:

	CUMULOFORM CLOUD		STRATIFORM CLOUD
	CIRROFORM CLOUD		APPARENT CUGG OR CB
	BOUNDARY OR MAJOR CLOUD SYSTEMS - FRONTS, VORTICES, OR OTHER SYSTEM DOMINATING THE SCENE VIEWED BY THE SATELLITE		
	DEFINITE BOUNDARY OF MORE OR LESS UNORGANIZED CLOUD MASSES		
	INDEFINITE BOUNDARIES OF MORE OR LESS UNORGANIZED CLOUD MASSES		
	STRIATIONS		
	STRIATIONS, TENUOUS		
	CLOUD LINES		
	CLOUD LINES, TENUOUS - CLOUD FORM DENOTED BY		
			
	DIRECTION OF SHEAR OF CIRRUS - FROM CB ANVIL OR OTHER SOURCE		
	WAVE CLOUDS (MOUNTAIN OR TRANSVERSE)		
	ESTIMATED LOCATION OF JET STREAM - SHAFT MAY BE BROKEN TO AVOID SYMBOLS INSIDE NEPH BOUNDARY		
VORTEX		HEAVY	
		THIN	

CLOUD AMOUNT

OPEN (O)	= < 20% coverage
MOSTLY OPEN (MOP)	= 20-50% coverage
MOSTLY COVERED (MCO)	= 50-80% coverage
COVERED (C)	= > 80% coverage

NOTE: STIPPLING WILL BE USED TO EMPHASIZE THE AREAS CONSIDERED BY THE ANALYST TO BE OF GREATEST SYNOPTIC SIGNIFICANCE.

When no nephanalysis was available for a usable sequence, a generalized outline of the area covered is shown instead.

The coverage swaths are grouped by PASS DAY, which includes all sequences taken on or near the series of 8 or 9 consecutive passes that come within range of the CDA stations each 24-hour period. These passes may fall on one or on two calendar days, and the maps are dated accordingly. Tape swaths are identified by the readout pass number, followed by the picture-taking pass number. Direct swaths are identified by a single pass number and the letter D. Midpoint time is given for all swaths, and camera number is added when necessary to identify definitely the sequence to which the swath applies. Two direct sequences acquired at the same station on the same pass are normally combined in one swath, since the short interruption for tape playback usually does not cause a significant gap in the coverage.

TIROS VII master films will be deposited at the National Weather Records Center (NWRC), U. S. Weather Bureau, Federal Building, Asheville, North Carolina. Persons or institutions desiring copies may order them from NWRC in the form of 35 mm. positive transparencies for projection or 35 mm. duplication negatives from which opaque prints can be made. The pictures are stored chronologically on 100-foot reels. Orders must be placed for one or more complete reels, at a cost of \$6.50 each, as it is not now possible to furnish copies of individual frames or to provide enlargements or other picture formats. All copies will be furnished with sprocket holes, since the necessary film emulsion is available only in this form.

A complete listing of satellite latitude, longitude, and height for all usable sequences, together with other information useful in determining precise location of TIROS VII pictures, will be available on microfilm from NWRC. Detailed listings of picture-taking time for all frames are contained on the "TIROS VII FRAME LOGS" which are on file at the Documentation Section, National Weather Satellite Center, and will be made available on microfilm from NWRC.

Latitude-longitude grids for overlay on TIROS VII pictures are planned to be computed for virtually all usable TIROS VII sequences. When completed, microfilm copies of these grids will be available from NWRC.

Detailed descriptions of the problems and uncertainties encountered in geographically locating TIROS pictures are contained in References 1 and 2. Reference 4, on the other hand, describes a meticulous hand-rectification method which will produce excellent location information.

1. Hubert, L. F.: "TIROS I Camera Attitude Data, Analysis of Location Errors, and Derivation of Correction for Calibration", Meteorological Satellite Laboratory Report No. 5, U. S. Weather Bureau, Washington, D. C. 1961.

2. Pyle R. L. : "Documentation for TIROS IV Television Data", Meteorological Satellite Laboratory Report No. 16, U. S. Weather Bureau, Washington, D. C., 1963.
3. "Documentation for TIROS VII Television Data", now in preparation at National Weather Satellite Center, U. S. Weather Bureau, Washington, D. C., 1964.
4. Fujita, T. : "A Technique For Precise Analysis For Satellite Data; Volume I - Photogrammetry", Meteorological Satellite Laboratory Report No. 14, U. S. Weather Bureau, Washington, D. C., 1963.

REEL	FILM LEGEND				PICTURE SEQUENCE DATA															
					PICTURE TAKING			FRAME	GEOGRAPHICAL	METEOROLOGICAL AND OTHER FEATURES						MISCEL- LANEOUS				
					PASS	MIDPOINT				EXTROP CIRC.	TROP DISTURB	BANDS	CLOUD FEATURES		TABLE(6)					
						DATE	TIME						TABLE(4)	TABLE(5)						
	PASS	M	C	S	PASS			TI	US	+	1	2	3	4	5	6	7	8	9	0
777	2893	T	1	W	2891	0101	0053	30	31	31	1	5								
777	2909	T	1	W	2903	0101	2020	30	32	32	1	45	7							
777	2910	T	1	P	2909	0102	0606	30	23	23	1	3								
777	2911	T	1	P	2910	0102	0745	30	32	32	1	3								
777	2918	T	1	W	2917	0102	1901	30	32	32	1	45								
777	2918	D	1	W	2918	0102	1913	30	02	02		4	7							
777	2919	D	1	W	2919	0102														
777	2919	T	2	W	2918	0102	2031	30	31	31	01									
777	2919	T	1	W	2918	0102	2044	30	31	31	1	5	7							
777	2920	T	1	P	2919	0102	2216	30	31	31	1	5								
777	2920	D	1	P	2920	0102	2228	30	03	03		5	7							
778	2922	T	1	W	2920	0102	2359	30	31	31	1	5								
778	2923	T	1	W	2922	0103	0313	30	32	32	1	5	9							
778	2925	T	1	P	2923	0103	0451	30	32	32	1	3	5	9						
778	2933	T	1	W	2931	0103	1739	30	32	32	1		8							
778	2933	D	1	W	2933	0103	1936													
778	2934	T	1	P	2934	0103	2108	30	12	12		5								
778	2934	D	1	P	2934	0103	2112	30	04	04		5	7							
778	2934	D	1	P	2934	0103	2112	30	05	05		5	7							
778	2935	T	1	P	2934	0103	2238	30	31	31	1	5								
778	2935	D	1	P	2935	0103	2250	30	01	01		5	7							
778	2937	T	1	W	2935	0104	0020	30	31	31	1	5								
778	2938	T	1	W	2937	0104	0337	30	32	32	1	5	9							
778	2940	T	1	P	2938	0104	0514	30	32	32	1	3	5							
778	2947	T	1	W	2946	0104	1801	30	32	32	1									
778	2947	D	1	W	2947	0104	1817					4	7							
778	2948	T	1	W	2947	0104	1944	30	32	32	1	5	7							
778	2948	D	1	W	2948	0104	1958	30	02	02										
778	2949	T	1	P	2948	0104	2120	30	31	31	1	5								
778	2949	D	1	P	2949	0104	2132	30	03	03		5	7							
778	2950	T	1	P	2949	0104	2303	30	31	31	1	5								
778	2950	D	1	P	2950	0104	2314	30	01	01		5								
778	2952	T	1	W	2950	0105	0043	30	31	31	1	5								
778	2953	T	1	W	2952	0105	0358	30	32	32	1	5								
778	2954	T	1	P	2953	0105	0536	30	32	32	1	3								
778	2962	D	1	W	2962	0105	1840	30	03	03		4	7							
779	2963	T	1	W	2962	0105	2017	30	21	21		5	7							
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779	2966	T	1	W	2964	0105	2328	30	32	32	1	5								
779	2967	T	1	W	2966	0106	0242	30	32	32	1	5								
779	2969	T	1	P	2967	0106	0421	30	32	32	1	3	5							
779	2976	D	2	W	2976	0106	1723	30	03	03		4								
779	2977	T	2	W	2976	0106	1851	30	31	31	1	45	7							
779	2977	D	2	W	2977	0106	1902	30	02	02										
779	2978	T	2	P	2977	0106	2025	30	32	32	1	5								
779	2978	D	2	P	2978	0106	2036	30	02	02		5								
779	2979	T	2	P	2978	0106	2206	30	32	32	1	5								
779	2979	D	2	P	2979	0106	2218	30	03	03		5	7							
779	2981	T	2	W	2979	0106	2348	30	31	31	1	5								
779	2983	T	2	P	2981	0107	0304	30	32	32	1	5								
779	2991	T	2	W	2989	0107	1605	30	32	32		4	8							
779	2991	D	2	W	2991	0107	1744	30	03	03		4	7							
779	2992	T	2	W	2991	0107	1913	30	32	32	1	5	7							
779	2993	T	2	P	2992	0107	2046	30	32	32	1	5								
779	2993	D	2	P	2993	0107	2058	30	03	03		5								
779	2995	T	2	W	2993	0107	2233	30	31	31	1	5								
779	2996	T	2	W	2995	0108	0147	30	32	32	1	5	9							
779	2998	T	2	P	2996	0108	0325	30	32	32	1	3	5							
780	3006	T	2	W	3004	0108	1627	30	30	30	1	4	8							
780	3006	D	2	W	3006	0108	1806	30	04	04		4	7							
780	3007	T	2	P	3006	0108	1929	30	32	32	1	5								
780	3007	D	2	P	3007	0108	1940	30	03	03		5	7							
780	3008	T	2	P	3007	0108	2110	30	31	31	1	5								
780	3008	D	2	P	3008	0108	2121	30	02	02		5								
780	3010	T	2	W	3008	0108	2255	30	32	32	1	5								
780	3011	T	2	W	3010	0109	0209	30	32	32	1	5								
780	3013	T	2	P	3011	0109	0347	30	32	32	1	3								
780	3020	T	2	W	3019	0109	1637	30	31	31	1		7							
780	3020	D	2	W	3020	0109	1648	30	02	02		4	7							
780	3021	T	2	W	3020	0109	1817	30	31	31	1	5	7							
780	3021	D	2	W	3021	0109	1839	30	02	02										
780	3022	T	2	P	3021	0109	1956	30	21	21	1	5								
780	3022	D	2	P	3022	0109	2003	30	03	03		5								
780	3022	D	2	P	3022	0109	2003	30	03	03		5								
780	3024	T	2	W	3022	0109	2136	30	32	32	1	5								
780	3025	T	2	W	0109	0110	0053	30	32	32	1	5								
780	3027	T	2	P	3025	0110	0232	30	32	32	1	3	5							
780	3035	D	2	W	3035	0110	1710	30	02	02		4	7							
780	3036	T	2	P	3035	0110	1839	30	23	23	1	5								
780	3037	D	2	P	3037	0110	2025	30	02	02		5								

REEL	FILM LEGEND				PICTURE SEQUENCE DATA													
	PASS	M	C	S	PICTURE TAKING			FRAME TI US +	GEOGRAPHICAL AREA COVERED 1 2 3 4 5 6 7 8 9 0	METEOROLOGICAL AND OTHER FEATURES								
					PASS	MIDPOINT				EXTROP CIRC.	TROP. DISTURB	BANDS	CLOUD FEATURES		MISCEL- LANEOUS			
						DATE	TIME						TABLE(1)	TABLE(2)		TABLE(3)	TABLE(4)	TABLE(5)
780	3037	D	2	P	3037	0110	2025	30 02 02	5						1	06		
780	3039	T	2	W	3038	0110	2201	30 28 28	1 5		58	0	02					
780	3040	T	2	W	3040	0111	0116	30 31 31	5			6	2	0				
781	3042	T	2	P	3041	0111	0253	30 32 32	1 3 5		8		24	0		9		
781	3049	T	2	W	3048	0111	1420	30 17 17	4			1	3					
781	3049	D	2	W	3049	0111	1554	30 04 04	4 7			1						
781	3050	T	2	W	3049	0111	1723	30 32 32	1 5 7		86	67	0137	0		9		
781	3050	D	2	W	3050	0111	1734	30 01 01	7			6					9	
781	3052	T	2	P	3050	0111	1855	30 31 31	1 5	4	6	1	7	0				
781	3055	T	2	W	3055	0112	0137	30 32 32	3 5		58		01	0234		9		
781	3057	T	2	P	3056	0112	0315	30 32 32	1 3	1			7	0		9		
781	3064	T	2	W	3063	0112	1435	30 31 31	4 8			9	56	0		8		
781	3064	D	2	W	3064	0112	1615	30 01 01	4 7			06						
781	3065	T	2	W	3064	0112	1745	30 32 32	1 5 7		8		037	06		8		
781	3066	T	2	P	3065	0112	1923	30 24 24	1 5		8	5	0					
781	3066	D	2	P	3066	0112	1930	30 06 06	5			61	0					
781	3068	T	2	W	3067	0112	2106	30 32 32	1 5		68	06	0249					
781	3069	T	2	W	3069	0113	0020	30 30 30	1 5		8			4				
781	3071	T	2	P	3070	0113	0159	30 32 32	1 3 5				7	0		8		
781	3079	T	2	W	3078	0113	1624	30 32 32	1 5 7		8	701	1			9		
781	3079	D	2	W	3079	0113	1637	30 03 03	7			6				1		
781	3080	T	2	P	3079	0113	1800	30 31 26	1 5	1	8	1	76	0				
781	3080	D	2	P	3080	0113	1811	30 01 01	5				0					
781	3081	T	2	P	3081	0113	1949	30 13 13	5				0	0				
781	3081	D	2	P	3081	0113	1952	30 02 02	5				0	0				
781	3081	D	2	P	3081	0113	1952	30 02 02	5				0	0				
781	3083	T	2	F	3082	0113	2130	30 32 32	5 7	4	8	16	0			29		
781	3084	T	2	F	3084	0114	0043	30 32 32	1 3 5	1	8	1	1367	042		9		
782	3085	T	2	F	3085	0114	0222	30 32 32	1 3				4			28		
782	3086	T	2	F	3086	0114	0359	30 32 32	1 3		3		9467	052		8		
782	3093	T	1	W	3092	0114	1346	30 28 28	34	2		016	1					
782	3093	D	1	W	3093	0114	1520	30 06 06	4 7			6	4			1		
782	3093	D	1	W	3093	0114	1526	10 12 12	4									
782	3094	T	1	W	3093	0114	1649	30 32 32	1 5 7		8	7	0	0		9		
782	3094	D	1	W	3094	0114	1658	01 01	4									
782	3095	T	1	P	3094	0114	1823	30 32 27	1 5	4	8	0	2167	0				
782	3095	D	1	P	3095	0114	1833	30 03 03	5			1	01					
782	3096	T	1	P	3095	0114	2004	30 31 31	1 5		8	6	2167	0		9		
782	3097	T	1	F	3097	0114	2148	30 32 32	1 5 7	1	8	1	267	03				
782	3098	T	1	F	3098	0114	2326	30 18 18	5 7				6	6				
782	3099	T	1	F	3099	0115	0110	30 29 29	1 3 5	4			0	05		29		
782	3100	T	1	F	3100	0115	0240	30 32 32	1 3		68	15	7	09		9		
782	3108	T	1	W	3107	0115	1401	30 32 32	4 8	0		0	2	0				
782	3108	D	1	W	3108	0115	1541	30 02 02	4 7							19		
782	3109	T	1	W	3108	0115	1712	30 32 32	1 5 7		8		37			28		
782	3110	T	1	P	3109	0115	1846	30 32 32	1 5		8	0	07	0				
782	3110	D	1	P	3110	0115	1856	10 06 06	5				2					
782	3112	T	1	F	3111	0115	2034	30 11 11	5 7			6	36			29		
782	3113	T	1	F	3113	0115	2348	30 32 32	1 5	4			306	4				
782	3114	T	1	F	3114	0116	0126	30 30 30	1 3 5	4	5	6	3467	239		8123		
782	3115	T	1	F	3115	0116	0304	30 23 23	3				4	0		29		
783	3122	T	1	W	3121	0116	1248	30 32 32	4 8			06	36	0		9		
783	3122	D	1	W	3122	0116	1424	30 05 05	4 7			6				9		
783	3125	T	1	P	3124	0116	1740	30 31 31	5 7			1	7	C5		248		
783	3127	T	1	F	3127	0116	2231	30 32 32	1 5 7		8	0	26	C2				
783	3127	D	1	F	3127	0116	2245	V 07 07	5 7									
783	3128	T	1	F	3128	0117	0008	30 31 31	1 3 5	1	8	1	2367	0234		29		
783	3129	T	1	F	3129	0117	0147	30 32 32	1 3		8	16	067	2		9		
783	3130	T	1	F	3130	0117	0326	30 20 20	1 3			7	06			0289		
783	3137	D	1	W	3137	0117	1445	30 02 02	4 7			06						
783	3139	T	1	P	3138	0117	1625	30 32 32	5 7	4	4	16	37	06		841		
783	3139	D	1	P	3139	0117	1800	30 03 03	5				26					
783	3141	T	1	F	3140	0117	1939	30 31 31	5	0		1	036	0		012		
783	3143	T	1	F	3143	0118	0031	30 32 32	1 3 5	4	85	1	36	0		129		
783	3144	T	1	P	3144	0118	0211	30 32 32	1 3				3			129		
783	3151	T	1	W	3150	0118	1151	V 32 32	34	1		0	0					
783	3151	D	1	W	3151	0118	1329	V 07 02	4			1						
783	3152	D	1	W	3152	0118	1509	V 05 05	4 7							12		
783	3153	T	1	P	3152	0118	1516	30 25 25	4 7	2		16	6			824		
783	3153	D	1	P	3153	0118	1642	30 01 01	5									
783	3155	T	1	F	3154	0118	1825	30 31 31	5 7	0		1	26			12		
783	3157	T	1	F	3157	0118	2313	30 31 31	1 5	4	6	1	67	0				
783	3158	T	1	F	3158	0119	0052	30 32 32	1 3	1		95	126	6		29		
784	3159	T	1	P	3159	0119	0230	30 32 32	1 3				7	0		249		
784	3166	T	1	W	3165	0119	1215	30 32 32	4 8			1		0				
784	3166	D	1	W	3166	0119	1349	30 02 02	4									
784	3168	T	1	P	3167	0119	1534	30 32 32	4 7			16	046	5		149		
784	3168	D	1	P	3168	0119	1704	30 03 03	5			2						
784	3170	T	1	F	3169	0119	1848	30 31 31	5 7	0		0	0	0		124		
784	3171	T	1	F	3171	0119	2159	30 32 32	5 7		8	01	0	0		129		
784	3172	T	1	F	3172	0119	2335	30 32 32	1 3 5		6		36	0		9128		

REEL	FILM LEGEND	PICTURE SEQUENCE DATA													
	PASS M C S	PICTURE TAKING			FRAME TI US +	GEOGRAPHICAL AREA COVERED 1 2 3 4 5 6 7 8 9 0	METEOROLOGICAL AND OTHER FEATURES								
		PASS	MIDPOINT				EXTROP CIRC.	TROP. DISTURB.	BANDS TABLE(3)	CLOUD FEATURES		MISCEL- LANEOUS TABLE(6)			
			DATE	TIME						TABLE(4)	TABLE(5)				
784	3173 T 1 F	3173	0120	0115	30 32 32	3			6	59	06	05	219		
784	3181 T 1 W	3179	0120	1059	30 29 29	34		1		1					
784	3181 D 1 P	3181	0120	1412	30 03 03	4 7				1					
784	3182 T 1 P	3181	0120	1425	30 27 27	34 7		0		06	42		4173		
784	3182 D 1 P	3182	0120	1546	01 01	5									
784	3183 T 1 P	3182	0120	1605	30 12 12	4		0			24		913		
784	3183 D 1 P	3183	0120	1727	30 02 02	5				0	02	2			
784	3185 T 1 F	3184	0120	1906	30 23 23	5		4		1	26	0			
784	3187 T 1 F	3186	0120	2223	30 32 32	5 7		0	0	4	256	0	1258		
784	3195 T 2 W	3137	0117	1614	30 18 18	1 5 7			8						
784	3195 T 1 W	3188	0121	0136	30 12 12	3									
784	3197 D 1 P	3197	0121	1610	30 03 03	5				0	2	0			
784	3210 T 1 W	3206	0122	0657	30 26 26	3		0		6		0	1482		
784	3210 D 1 W	3210	0122	1316	01 01	4 7				1					
785	3212 T 2 P	3211	0122	1508	30 32 32	4 7				06	26	9	0123		
785	3212 T 1 P	3211	0122	1510	30 31 31	4 7				06	26	4	0123		
785	3212 D 1 P	3212	0122	1630	30 02 02	5				1	2				
785	3224 D 1 W	3224	0123		30										
785	3224 T 2 W	3219	0123		30										
785	3227 D 1 P	3227	0123	1654	30 03 03	5									
785	3229 T 1 W	3228	0123	1843	30 23 23	5 7	1			2	1	2	940		
785	3239 D 1 W	3239	0124												
785	3239 T 1 W	3234	0124												
785	3239 T 2 W	3234	0124												
785	3253 T 1 W	3248	0125	0318	30 18 32	3 5 7			07		4		19		
785	3254 T 2 W	3249	0125	0456	30 00 32	3 5				0		4	1 8		
785	3268 T 1 W	3263	0126	0342	30 21 21	3 5 7	4			6	61	4	9		
785	3268 T 2 W	3264	0126	0521	30 23 32	3 5				06	1356	046	18		
785	3283 T 1 W	3278	0127	0406	30 32 32	3 5	4	8		06	06	09	128		
785	3284 T 1 W	3283	0127	1213	30 31 31	1 3	0			7	67	C9	82		
785	3285 T 1 P	3284	0127	1353	30 32 32	3 6				00	03	7	9		
785	3287 T 2 W	3286	0127	1708	30 32 32	4 6				0					
785	3288 T 1 W	3287	0127	1849	30 32 22	4	4			1	7				
785	3289 T 1 P	3288	0127	2025	30 31 20	4 7									
785	3290 T 1 P	3289	0127	2210	30 20 09	4 7									
785	3290 D 1 P	3290	0127	2335	30 04 04	5 7				16	7	C	9		
785	3297 T 1 W	3293	0128	0429	30 04 04	5				07		24			
786	3299 T 2 P	3292	0128	0254	30 32 32	5			8	0	612	0			
786	3299 T 1 P	3298	0128	1237	30 31 31	1 3	4		6		16	05	28		
786	3300 T 1 P	3299	0128	1414	30 32 32	3 6				0		5	219		
786	3302 T 1 W	3301	0128	1729	30 32 32	4 67				06	6	06	148		
786	3303 D 1 W	3303	0128	2042	30 01 01	7							8		
786	3304 D 1 P	3304	0128	2217	30 04 04	5 7							128		
786	3305 D 1 P	3305	0128	0000	30 05 05	5					06				
786	3305 T 1 P	3304	0128	2231	30 23 17	45 8				6	6	0	9		
786	3312 T 1 W	3306	0129	0136	30 32 32	5		2	6	46	36	0			
786	3312 T 2 W	3307	0129	0312	30 32 32	3 5	1		8	0	C4	46	8		
786	3313 T 1 W	3312	0129	1120	30 32 32	1 3					37	0	1289		
786	3314 T 1 P	3313	0129	1258	30 32 32	1 3 6		4			7	0	28		
786	3316 T 1 W	3315	0129	1612	30 32 32	4 6				06	16	0	8		
786	3317 T 1 W	3316	0129	1755	30 32 32	2 4						03			
786	3317 D 1 W	3317	0129	1923	10 08 08	7							1		
786	3318 T 1 F	3317	0129	1936	30 29 15	2 4 8	1	8		57	7	039			
786	3318 D 1 F	3318	0129	2050	10 08 08	3 5									
786	3319 T 1 F	3318	0129	2105	30 32 32	4 7				1		5	12		
786	3319 D 1 F	3319	0129	2230	30 03 03	4 7									
786	3326 T 1 W	3321	0130	0157	30 28 28	5			7	01	01	024			
786	3327 T 2 W	3320	0130	0020	30 32 32	5 7	23		68	4	3	0			
786	3327 T 1 W	3321	0130	0150	30 03 03	5									
786	3328 T 1 P	3327	0130	1142	30 32 32	1 3			8		16	167	0 18		
787	3329 T 1 P	3328	0130	1340	30 32 32	34 6				016	1267	0	29		
787	3331 T 1 W	3330	0130	1632	30 32 32	4 6				16	01	6	1248		
787	3333 T 1 P	3332	0130	1956	30 32 28	4 78			8		7	0	8		
787	3333 D 1 P	3333	0130	2121	10 08 08	5 7						5	21		
787	3334 T 1 P	3333	0130	2133	30 31 28	1 4 78	4		8			0	4		
787	3334 D 1 P	3334	0130	2304	10 21 21	5 7					145	9	9		
787	3341 T 1 W	3335	0131	0051	30 25 24	1 5			8		01	0			
787	3342 T 1 W	3341	0131	1026	30 32 32	1 3				6	37	06	1248		
787	3343 T 1 P	3342	0131	1204	30 32 32	1 3			6	6	7	C5	19		
787	3344 T 1 P	3343	0131	1332	30 25 25	34 6	0			0	2	5	09		
787	3345 T 1 W	3344	0131	1524	30 15 15	6						0	9		
787	3346 T 1 W	3344	0131	1513	30 08 08	4				16	0				
787	3346 D 1 W	3346	0131	1830	V 10 10	4 7							9		
787	3348 T 1 F	3347	0131	2011	30 32 32	4 78	2			04	7	016	1248		
787	3356 T 1 W	3350	0201	0106	30 32 32	1 5	0		86	0	017	049			
787	3357 T 1 W	3356	0201	1046	30 32 32	1 3						5	1218		
787	3358 T 1 P	3357	0201	1224	30 32 32	34 6				6		0	128		
787	3360 T 1 W	3359	0201	1538	30 32 32	4 6				36	36	0	189		
787	3361 D 1 W	3361	0201	1850	30 05 05	7						6	9		
787	3362 T 1 F	3361	0201	1906	30 17 17	2 4 8			8		7	0	9		
787	3362 D 1 F	3362	0201	2018	30 02 02	3 5 7									

REEL	FILM LEGEND	PICTURE SEQUENCE DATA													
	PASS M C S	PICTURE TAKING			FRAME TI US +	GEOGRAPHICAL AREA COVERED 1 2 3 4 5 6 7 8 9 0	METEOROLOGICAL AND OTHER FEATURES								
		PASS	MIDPOINT				EXTROP CIRC.	TROP. DISTURB.	BANDS	CLOUD FEATURES		MISCEL- LANEOUS			
			DATE	TIME						TABLE (1)	TABLE (2)		TABLE (3)	TABLE (4)	TABLE (5)
788	3363 T 1 F	3362	0201	2033	30 18 21	4 5 78	4		19	67	0239	9			
788	3363 D 1 F	3363	0201	2158	10 11 11	3 5 7	1		9	5	4	931			
788	3370 T 1 W	3364	0201	2345	30 28 28	5	2	86	016	012	024				
788	3373 T 1 P	3372	0202	1244	30 32 32	34 6			1	2	0	129			
788	3374 T 1 F	3373	0202	1422	30 32 32	34 6	024	8	029	1267	239	81			
788	3375 D 1 W	3375	0202	1731	10 09 09	7						14			
788	3376 T 1 W	3375	0202	1743	30 32 32	2 4 8	1		6	7	02				
788	3376 D 1 W	3376	0202	1914	30 04 04	7			6		5				
788	3377 T 1 F	3376	0202	1927	30 29 26	2 4 8		8	17	7	29	8			
788	3378 T 1 P	3377	0202	2052	30 32 32	5 78	2		06	26	0	812			
788	3378 D 1 P	3378	0202	2230	30 05 05	5				2					
788	3385 T 1 W	3380	0203	0144	30 30 30	3 5	12	8	047	126	20	9			
788	3389 T 1 W	3388	0203	1443	30 30 30	4 67	4		6		0	8			
788	3389 D 1 W	3389	0203	1613	30 05 05	7			1			14			
788	3390 D 1 W	3390	0203	1754	30 06 06	7						128			
788	3391 T 1 F	3390	0203	1808	30 31 31	2 4 8		8	0	67	0	9			
788	3392 T 1 P	3391	0203	1936	30 32 32	4 7	4	8	6	6	0	129			
788	3392 D 1 P	3392	0203	2112	30 07 07	5 7			1			28			
788	3399 T 1 W	3394	0204	0027	30 32 32	3 5	201	87	0	017	0	8			
788	3400 T 1 W	3399	0204	0856	30 12 06	1					0	9			
788	3401 T 1 P	3400	0204	1022	30 32 32	1 3		6	6	067	0	8			
788	3402 T 1 P	3401	0204	1157	30 32 32	1 3 6		2	2	167	0	8			
789	3404 T 1 F	3403	0204	1506	30 32 32	4 67	2	8	019	67	09	189			
789	3405 T 1 F	3404	0204	1643	30 32 32	4 7		8	0	367	0	1294			
789	3406 T 1 F	3405	0204	1821	30 31 31	4 78			0	7	1	1489			
789	3407 T 1 P	3406	0204	1958	30 32 32	1 4 7	2	8	06	267	0	128			
789	3407 D 1 P	3407	0204	2134	30 05 05	5			0	016					
789	3414 T 1 W	3409	0205	0057	30 32 32	1 5			0						
789	3415 T 1 W	3414	0205	0904	30 32 32	1 3		8			0	8			
789	3416 T 1 P	3415	0205	1043	30 32 32	1 3 6		2	5	67	52	58			
789	3417 T 1 P	3416	0205	1211	30 32 32	34 6			16	216	9	8			
789	3419 T 1 F	3417	0205	1348	30 32 32	4 6	1	8	0	46	0	0158			
789	3420 T 1 F	3419	0205	1703	30 32 32	4 7			1	3567	0	14			
789	3421 T 1 P	3420	0205	1842	30 30 30	4 78			26	67	01	129			
789	3421 D 1 P	3421	0205	2015	30 06 06	5 7				0		82			
789	3429 T 1 W	3423	0205	2341	30 31 31	1 5		8		37	0	9			
789	3433 T 1 W	3432	0206	1410	30 32 32	4 67		8	0	6	0	1358			
789	3434 T 1 F	3433	0206	1552	30 32 32	2 4		8	16	36	0				
789	3435 T 1 F	3434	0206	1725	30 32 32	4 78	2		0	67	01	1473			
789	3436 T 1 P	3435	0206	1902	30 31 31	45 7		5	6	67	0	2159			
789	3436 D 1 P	3436	0206	2038	30 08 08	5			1	10					
790	3443 T 1 W	3438	0207	0003	30 31 31	1 5			7	367	0				
790	3444 T 1 W	3443	0207	0812	30 32 32	1 3			1		0	8			
790	3445 T 1 P	3444	0207	0939	30 32 32	1 3 6					0	1258			
790	3446 T 1 P	3445	0207	1117	30 32 32	34 6	4			146	03	28			
790	3448 T 1 W	3446	0207		30 12 12										
790	3448 D 1 W	3448	0207	1606	V 12 12	4 7			1						
790	3449 T 1 F	3448	0207	1614	30 24 24	2 4 8		8	1	67	0	8			
790	3450 T 1 F	3449	0207	1747	30 31 31	4 78	4		1	6	0	128			
790	3451 T 1 P	3450	0207	1924	30 31 31	5 7			6	7	0	259			
790	3451 D 1 P	3451	0207	2101	30 03 03	5			6	0					
790	3458 T 1 W	3453	0208	0024	30 31 31	1 5		5	0	37	0				
790	3459 T 1 W	3458	0208	0830	30 32 32	1 3		6	7	0137	0	58			
790	3460 T 1 P	3459	0208	1001	30 31 31	3 6			6	0	0	812			
790	3462 T 1 F	3461	0208	1316	30 31 31	4 6	0	8	01		0	8			
790	3463 T 1 F	3462	0208	1453	30 31 31	2 4 7		8	01		0	049			
790	3464 T 1 F	3463	0208	1630	30 32 32	4 7	4		069	0	56	148			
790	3465 T 1 P	3464	0208	1808	30 28 28	4 7		5	6	07	01	289			
790	3465 D 1 P	3465	0208	1941	30 06 06	5			7						
790	3472 T 1 W	3467	0208	2309	30 27 27	1 5		68	01	017	0				
790	3474 T 1 P	3473	0209	0844	30 32 32	1 3				7	0	8			
791	3475 T 1 P	3474	0209	1022	30 32 32	34 6				45	0	82			
791	3477 T 1 F	3476	0209	1337	30 31 31	2 4	1	8	0	467	0	9			
791	3478 T 1 F	3477	0209	1514	30 31 31	4 7		8	06	67	0	1248			
791	3479 T 1 F	3478	0209	1652	30 32 32	4 7			036	06	2	1248			
791	3480 T 1 P	3479	0209	1830	30 31 31	5 7		8	6	67	0	259			
791	3480 D 1 P	3480	0209	2004	30 05 05	5			6	06					
791	3487 T 1 W	3482	0209	2330	30 32 32	1 5				23	0				
791	3488 T 1 W	3487	0210	0737	30 32 32	1		86	0	01	0	9			
791	3489 T 1 P	3488	0210	0905	30 32 32	1 3 6		6	6	7	05	28			
791	3490 T 1 P	3489	0210	1044	30 32 32	34 6			6	347	0	29			
791	3491 T 2 W				30 15 15										
791	3492 T 1 F	3490	0210	1220	30 32 32	2 4 6		85	0	0156	0	8			
791	3493 T 2 F	02			30 16 16										
791	3494 T 1 P	3492	0210	1536	30 32 32	4 7		8	67	067	0	9514			
791	3494 D 1 P	3494	0210	1845	30 05 05	5			0	016	0	28			
791	3502 T 1 W	3496	0210	2213	30 31 31	1 5		86	6	07	0				
791	3503 T 1 W	3502	0211	0758	30 32 32	1		86		01	0	8			
791	3504 T 1 P	3503	0211	0928	30 32 32	3 6				45	0	259			
791	3506 T 1 F	3505	0211	1242	30 32 30	4 6			05	0456	06	9			
792	3507 T 1 F	3506	0211	1420	30 32 32	2 4 7		8	0	0146	0	128			

REEL	FILM LEGEND	PICTURE SEQUENCE DATA													
		PICTURE TAKING			FRAME	GEOGRAPHICAL AREA COVERED	METEOROLOGICAL AND OTHER FEATURES								
		PASS	MIDPOINT				EXTROP CIRC.	TROP DISTURB	BANDS	CLOUD FEATURES		MISCEL- LANEOUS			
			DATE	TIME						TABLE(1)	TABLE(2)		TABLE(3)	TABLE(4)	TABLE(5)
	PASS M C S	PASS			TI US +	1 2 3 4 5 6 7 8 9 0	TABLE(1)	TABLE(2)	TABLE(3)	TABLE(4)	TABLE(5)	TABLE(6)			
792	3508 T 1 F	3507	0211	1557	30 32 32	4 78			05	0156	05	1495			
792	3509 T 1 F	3508	0211	1735	30 32 32	1 5 8			05	0156	02	0158			
792	3517 T 2 W	3516	0212	0642	30 32 32	1		4	86	4	0267	04 9			
792	3523 T 2 F	3522	0212	1627	30 26 26	4 8			4	5	0146	2 9			
792	3523 D 2 P	3523	0212	1751	30 03 03	5 7				0	261	29			
792	3524 T 2 P	3523	0212	1758	30 29 29	5 7			68	06	2617	25 28			
792	3531 T 2 W	3526	0212	2256	30 32 32	1 5			8			0			
792	3532 T 2 W	3531	0213	0706	30 32 32	1			4		7	0 5			
792	3533 T 2 P	3532	0213	0834	30 32 32	1 4 6				6		0 25			
792	3536 T 2 F	3535	0213	1325	30 32 32	2 4		3	8	4	0167	234 5			
792	3537 T 2 F	3536	0213	1503	30 32 32	4 78			6	1	0167	02 95			
792	3538 T 2 P	3537	0213	1641	30 26 26	4 78			8	0	67	0 28			
792	3538 D 2 P	3538	0213	1812	10 12 12	5				67	0				
792	3545 T 2 W	3540	0213	2133	30 32 32	1 5			8	06	017	04			
792	3546 T 2 W	3545	0214	0545	30 32 32	1 3			5			01 8			
792	3551 T 2 F	3550	0214	1349	30 32 32	2 4 78			8	0	67	01 9			
792	3552 T 2 F	3551	0214	1527	30 32 32	2 45 78		4	8	0	567	0 58			
793	3553 T 2 P	3552	0214	1714	30 32 32	12 5 8			8		0147	03 28			
793	3553 D 2 P	3553	0214	1835	10 12 12	5				0	0				
793	3560 T 2 W	3555	0214	2155	30 32 32	1 5		02	8	04	16	024			
793	3561 T 2 W	3560	0215	0602	30 32 32	1 3 6			8	0	016	0 12			
793	3562 T 2 P	3561	0215	0740	30 32 32	1 3 6					7	0 8			
793	3565 T 2 F	3564	0215	1233	30 32 32	2 4				1	1				
793	3566 T 2 F	3565	0215	1411	30 32 32	2 4 78			8	02	67	01 9			
793	3567 T 2 P	3566	0215	1548	30 32 32	45 8			8	0	467	0 29			
793	3567 D 2 P	3567	0215	1718	10 12 12	5					012	9			
793	3574 T 2 W	3569	0215	2039	30 32 32	1 5			8	06	07	06 9			
793	3576 T 2 P	3575	0216	0624	30 32 32	1 3			8		7	0 8			
793	3577 T 2 P	3576	0216	0802	30 32 32	1 3 6			8	6	67	0 82			
793	3579 T 2 F	3578	0216	1118	30 32 32	2 4 6			8	0	3	9			
793	3580 T 2 F	3579	0216	1254	30 31 31	2 4 8			8	16	067	0 9			
793	3581 T 2 F	3580	0216	1433	30 32 32	4 78				0	6	015 9			
793	3582 T 2 P	3581	0216	1609	30 32 32	1 5 7			8	6	0467	0 129			
793	3582 D 2 P	3582	0216	1740	10 12 12	5				7	01				
793	3589 T 2 W	3584	0216	2105	30 32 32	1 5		4	8		07	02			
793	3590 T 2 W	3589	0217	0508	30 32 32	1 3			8		07	02 8			
794	3591 T 2 P	3590	0217	0646	30 32 32	1 3			8	6	67	0 8			
794	3592 T 2 P	3591	0217	0824	30 32 32	1 3 6					7	9			
794	3593 T 2 F	3592	0217	1017	30 20 20	2 6		01		1	6	0 8			
794	3594 T 2 F	3593	0217	1138	30 32 32	2 4			8	2	7	0			
794	3595 T 2 F	3594	0217	1315	30 30 30	2 4 78			8	0	7	0 9			
794	3597 T 2 P	3595	0217	1456	30 32 32	4 8			8	1	167	0 9			
794	3597 D 2 P	3597	0217	1802	10 06 06	5				7	6				
794	3604 T 2 W	3599	0217	2123	30 32 32	1 5			8		07	02			
794	3605 T 2 P	3604	0218	0531	30 31 31	1 3			8		27	05 8			
794	3606 T 2 P	3605	0218	0710	30 32 32	1 6			8		67	0 8			
794	3608 T 2 F	3607	0218	1023	30 32 32	2 4 6				1	1567	9 8			
794	3609 T 2 F	3608	0218	1200	30 32 32	2 4 8			8	0	7	69			
794	3610 T 2 F	3609	0218	1333	30 32 32	2 4 78		1	8	3	567	9			
794	3611 T 2 P	3610	0218	1516	30 32 32	1 5 78			8	01	467	0 28			
794	3611 D 1 P	3611	0218	1643	10 11 11	5				16		0			
794	3618 T 1 W	3613	0218	2007	30 27 27	1 5			8	0	07	0			
794	3619 T 1 W	3618	0219	0415	30 32 32	1 3			8		0	0 8			
794	3620 T 1 P	3619	0219	0555	30 32 32	1 3 6			82	1	671	02 8			
795	3621 T 1 P	3620	0219	0731	30 32 32	1 3 6			6	1		0 8			
795	3622 T 1 F	3621	0219	0908	30 32 32	2 4 6			8	9	567	8			
795	3623 T 1 F	3622	0219	1044	30 32 32	2 4			8	1	0367				
795	3625 T 1 F	3623	0219	1226	30 32 32	2 4 8			8	1	167	9			
795	3626 T 1 P	3625	0219	1538	30 32 32	1 5 7			8		0167	0 9			
795	3626 D 1 P	3626	0219	1705	01 01	5									
795	3633 T 1 W	3628	0219	2029	30 29 29	1 5			8	1		0			
795	3635 T 1 P	3634	0220	0615	30 32 32	1 6			2	0	7	20 8			
795	3636 T 2 P				30 25 25										
795	3637 T 1 F	3636	0220	0930	30 32 32	2 4 6			8	1	567	8			
795	3638 T 1 F	3637	0220	1107	30 32 32	2 4			8	1	7				
795	3640 T 1 P	3639	0220	1422	30 32 32	1 5 78			8		0467	0 28			
795	3647 T 1 W	3642	0220	1915	30 32 32	1 5			8		0				
795	3648 T 1 W	3647	0221	0324	30 08 08	1									
795	3649 T 1 P	3648	0221	0500	30 31 31	1 3			8	17	7	02 8			
795	3649 T 2 P				30 18 18										
795	3650 T 1 P	3649	0221	0637	30 32 32	1 6			8	1	67	02 9			
795	3652 T 1 F	3650	0221	0815	30 32 32	2 6			8	1	56	89			
796	3653 T 2 W				30 14 14										
796	3654 T 1 P	3652	0221	1133	30 20 20	2 4 8				05		0 9			
796	3655 T 1 P	3652	0221	1124	30 12 12	4			8	5	02				
796	3663 T 2 W	3662	0222	0345	30 32 32	1			8		3	0 9			
796	3664 T 2 P	3663	0222	0523	30 32 32	1 6			2	04	7	02 8			
796	3666 T 2 F	3664	0222	0700	30 32 32	2 6			5			0 89			
796	3667 T 2 F	3666	0222	1015	30 32 32	2 4			8	0	26				
796	3669 T 2 P	3667	0222	1154	30 32 32	2 4 8				7	0	9			
796	3670 T 2 P	3669	0222	1515	30 32 31	12 8					40	9			

REEL	FILM LEGEND				PICTURE SEQUENCE DATA																				
	PASS M C S				PICTURE TAKING			FRAME		GEOGRAPHICAL										METEOROLOGICAL AND OTHER FEATURES					
					PASS	MIDPOINT				AREA COVERED										EXTROP CIRC.	TROP DISTURB	BANDS	CLOUD FEATURES		MISCEL- LANEOUS
						DATE	TIME	TI	US	+	1	2	3	4	5	6	7	8	9				TABLE (1)	TABLE (2)	
702A	3841	T	2	F	3840	0305	0517	30	31	31	01		9	2		8	217	37	0	9					
702A	3842	T	2	W	3841	0305	0654	30	32	32	1		9			6	3	2	8						
702A	3844	T	2	F	3843	0305	1009	30	32	32	01					0	367	09							
702A	3845	T	2	P	3844	0305	1146	30	32	32	12					16									
702A	3852	T	2	W	3847	0305	1638	30	32	32	2		8	4		06		049							
702A	3853	T	2	W	3852	0306	0048	30	31	31	1	5		4		06	67	04							
702A	3854	T	2	P	3853	0306	0225	30	32	32	1					6	015	67	0						
703A	3856	T	2	W	3854	0306	0403	30	31	31	01		9	4		8			0						
703A	3857	T	2	W	3856	0306	0718	30	32	32	1		9			8	0		8						
703A	3858	T	2	F	3857	0306	0856	30	32	32	01		9			66	16	367	34						
703A	3859	T	2	P	3858	0306	1033	30	32	32	12			2		8	07	27	0						
703A	3866	T	2	W	3864	0306	2017	30	32	32	1		8			8	0		8						
703A	3867	T	2	W	3866	0306	2334	30	32	32	1	5				0		67	0						
703A	3868	T	2	P	3867	0307	0117	30	32	32	1					8	1	0167	09						
703A	3869	T	2	P	3868	0307	0249	30	32	32	1			2		8	1	67	03						
703A	3870	T	2	F	3869	0307	0425	30	32	32	01	5	9			8	1	067	03						
703A	3871	T	2	W	3870	0307	0603	30	32	32	1		9			8	03		0						
703A	3873	T	2	F	3872	0307	0918	30	32	32	01	3				87	1	367	0						
703A	3874	T	2	P	3873	0307	1056	30	32	32	12			4		8	016	0267	06						
703A	3881	T	2	W	3879	0307	2039	30	32	32	1		8	1		8	0	06	0						
703A	3882	T	2	W	3881	0307	2359	30	31	31	1	5					76	0							
703A	3885	T	2	W	3883	0308	0314	30	32	32	1	5	9			8		7	0						
704A	3886	T	2	W	3885	0308	0628	30	32	32	1	5	9			28	0		8						
704A	3887	T	2	F	3886	0308	0807	30	32	32	1	5	9			638	052	37	9						
704A	3888	T	2	P	3887	0308	0944	30	32	32	1	3	5	4		8	7	027	029						
704A	3896	T	2	W	3889	0308	1258	30	32	32	123	6		4		2	6	70	36						
704A	3897	T	2	P	3896	0309	0020	30	31	31	1	5					67	01							
704A	3898	T	2	P	3897	0309	0200	30	32	32	1	5				8	1	067	0						
704A	3900	T	2	W	3898	0309		30	00	00															
704A	3901	T	2	W	3900	0309	0651	30	32	32	1	5	9			68			0						
704A	3902	T	2	F	3901	0309	0828	30	32	32	1	5				68	1	067	06						
704A	3903	T	2	P	3902	0309	1006	30	32	32	1	3				58	7	067	0						
704A	3910	T	2	W	3904	0309	1320	30	32	32	12	6				48			8						
704A	3912	T	2	P	3911	0310	0042	30	32	32	1	5				8	0	067	0						
704A	3913	T	2	P	3912	0310	0226	30	29	29	1	5				8		067	0						
704A	3914	T	2	F	3913	0310	0359	30	32	32	1	5	9			68	1	67	0						
704A	3915	T	2	W	3914	0310	0536	30	32	32	1	5	9			8			0						
704A	3917	T	2	F	3915	0310	0714	30	32	32	1	5	9			8		067	0						
704A	3918	T	2	P	3917	0310	1028	30	32	32	1	3				8	0	67							
705A	3925	T	2	W	3918	0310	1206	30	32	32	12	6				258	34	7	024						
705A	3926	T	1	W	3925	0310	2329	30	32	32	1	5	7				07	7	0						
705A	3927	T	1	P	3926	0311	0104	30	32	32	1	5				8	0	067	03						
705A	3929	T	1	W	3927	0311	0243	30	32	32	1	5	9				0	67	06						
705A	3930	T	1	W	3929	0311	0557	30	32	32	1	5	9			8	0	7	056						
705A	3931	T	1	F	3930	0311	0735	30	32	32	1	5				8	1	267	0						
705A	3932	T	1	P	3931	0311	0931	30	32	32	1	3				0	0	1027	02						
705A	3939	T	1	W	3933	0311	1232	30	03	03	1	3							9						
705A	3940	T	1	W	3933	0311	1227	30	09	09	1	6				36	4	017	02						
705A	3941	T	1	P	3933	0311	1222	30	10	10	2	6		1				6	09						
705A	3941	D	1	P	3941	0311	2357	10	06	06		5					7	0	8						
705A	3942	T	1	P	3941	0312	0128	30	32	32	1	5				8		0167	0						
705A	3944	T	1	W	3943	0312	0441	30	32	32	1	5	9			8	0	36	0						
705A	3946	T	1	F	3944	0312	0620	30	32	32	1	5	9			8	01	67	0						
705A	3947	T	1	P	3946	0312	0936	30	32	32	1	3				8	0	67	5						
705A	3954	D	1	W	3954	0312	2105	10	05	05		4	7				1								
705A	3954	T	1	W	3952	0312	1919	30	32	32	1	4	8				0	037	0						
705A	3955	T	2	W	3954	0312	2235	30	32	32	1	4	7			6	01	017	0						
705A	3956	T	2	P	3955	0313	0008	30	32	32	1	5		0		8		67	0						
705A	3956	D	2	P	3956	0313	0019	10	06	06		5					71	01							
706A	3959	T	2	W	3956	0313	0150	30	32	32	1	5	9			68	0	167	0						
706A	3961	T	2	F	3960	0313	0824	30	23	23	1	3				8	1	46	0						
706A	3968	T	2	W	3962	0313	1135	30	32	32	1	3	6	1		6			0						
706A	3968	D	2	W	3968	0313	1949	10	06	06		4					0	3							
706A	3969	D	2	W	3969	0313	2128	10	06	06		4	7	4					9						
706A	3969	T	2	W	3968	0313	2117	30	32	32	1	45					0	237	0						
706A	3970	T	2	P	3969	0313	2250	30	32	32	1	5						7							
706A	3970	D	2	P	3970	0313	2302	10	03	03		5	7			6			9						
706A	3971	T	2	P	3970	0314	0032	30	25	32	1	5					7	7							
706A	3971	D	2	P	3971	0314	0042	10	06	06		5		4				6							
706A	3974	T	2	W	3971	0314	0212	30	32	32	1	5					7	7	02						
706A	3983	T	2	W	3977	0314	1157	30	32	32	1	3	6			8		0	28						
706A	3983	D	2	W	3983	0314	2009	10	06	06		4					1								
706A	3984	T	2	W	3983	0314	2139	30	32	32	1	5	7			8	06		0						
706A	3984	D	2	W	3984	0314	2151	10	05	05		7					63		12						
706A	3985	T	2	P	3984	0314	2312	30	31	31	1	5					7	7	0						
706A	3985	D	2	P	3985	0314	2323	10	06	06		5	7					02							
706A	3986	T	2	P	3985	0315	0059	30	32	32	1	5				</									

REEL	FILM LEGEND				PICTURE SEQUENCE DATA											
	PASS M C S				PICTURE TAKING			FRAME TI US +	GEOGRAPHICAL AREA COVERED 1 2 3 4 5 6 7 8 9 0	METEOROLOGICAL AND OTHER FEATURES						
					PASS	MIDPOINT				EXTROP CIRC.	TROP. DISTURB	BANDS	CLOUD FEATURES		MISCEL- LANEOUS	
						DATE	TIME						TABLE (4)	TABLE (5)		
	PASS	M	C	S	PASS	DATE	TIME	TI	US	+	TABLE (1)	TABLE (2)	TABLE (3)	TABLE (4)	TABLE (5)	TABLE (6)
706A	3999	T	2	W	3998	C315	2203	30	32	32			8	1		8
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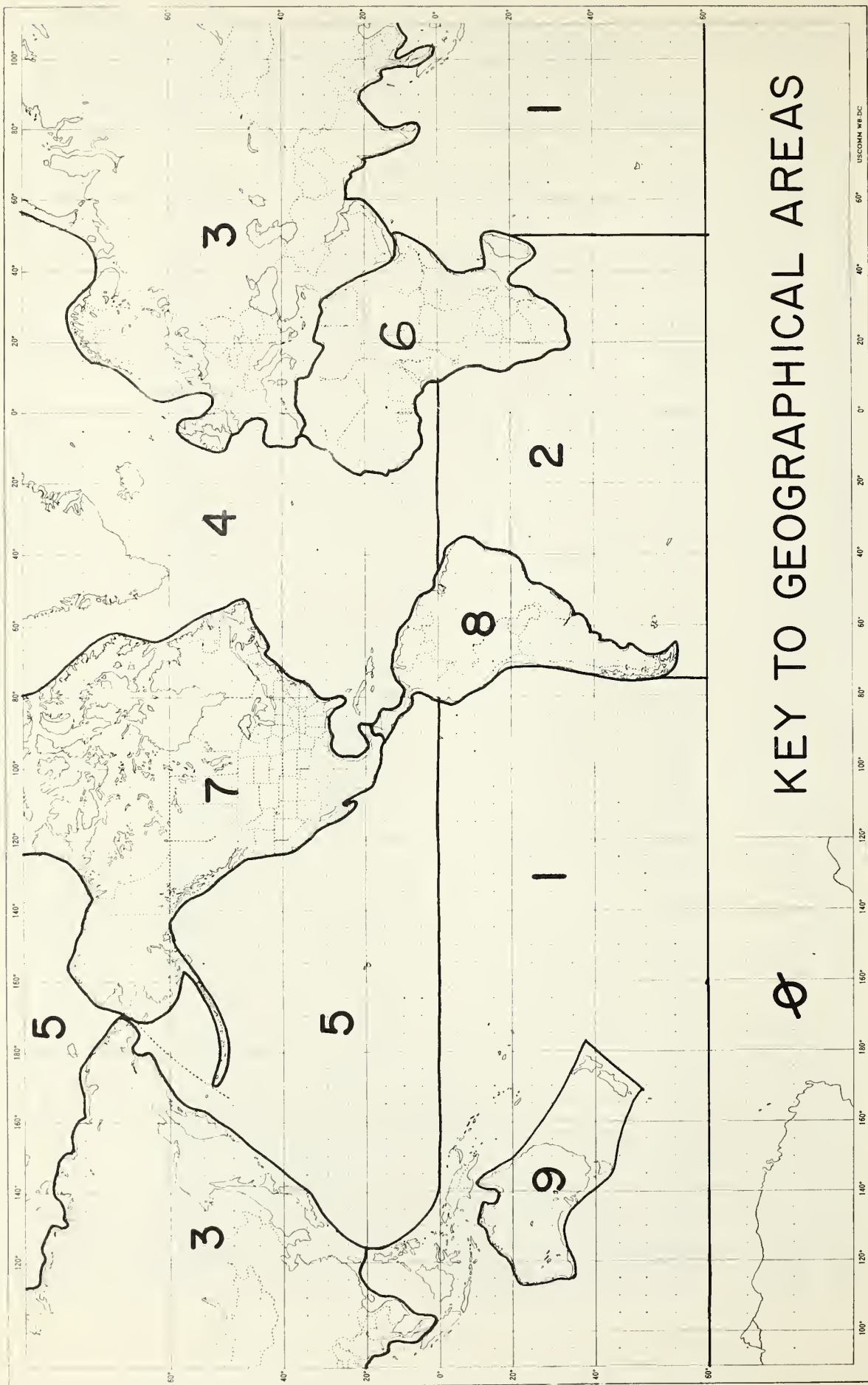
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			DATE	TIME														TABLE (4)	TABLE (5)	
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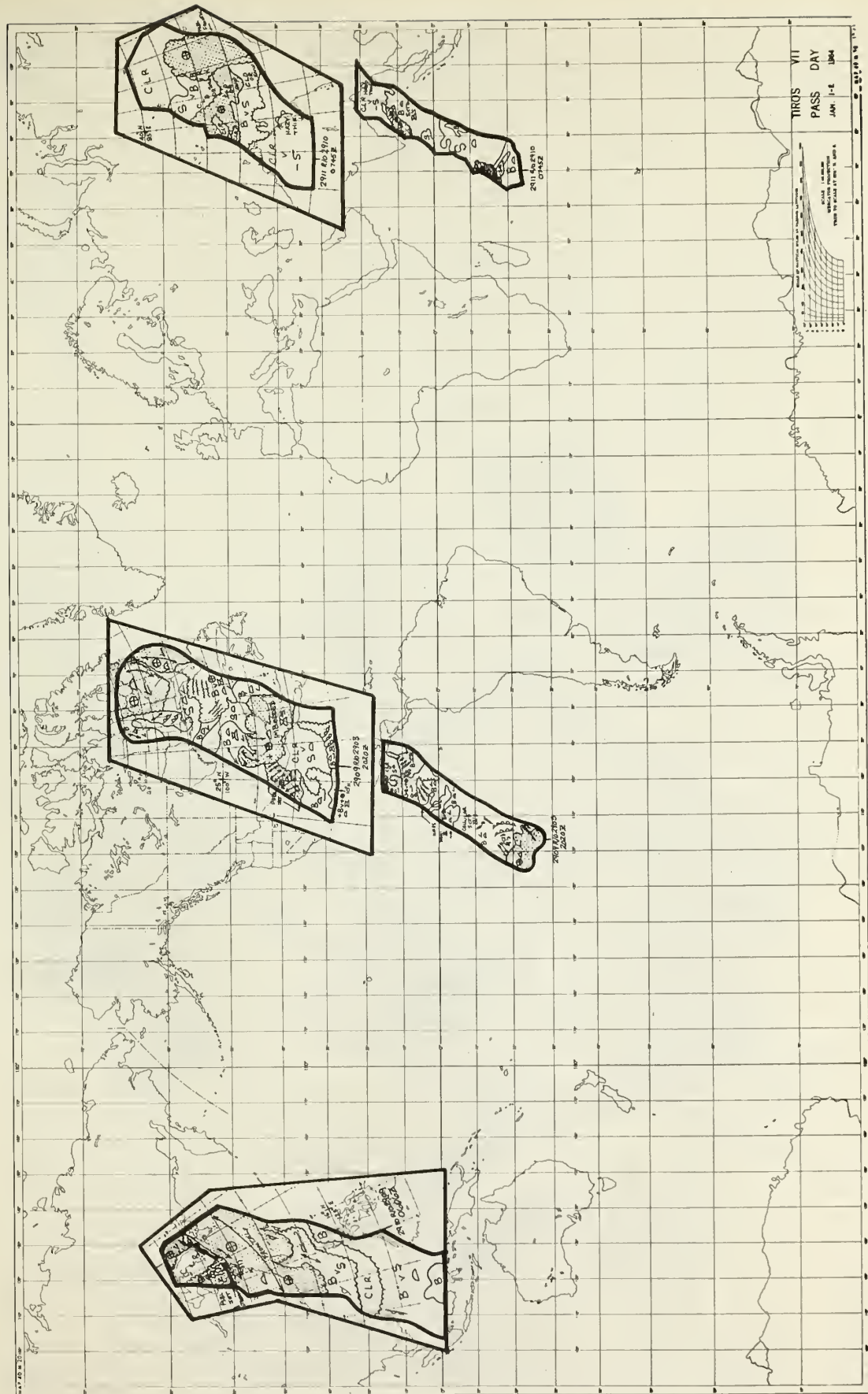
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			DATE	TIME									TABLE (1)	TABLE (2)		TABLE (3)	TABLE (4)	TABLE (5)	TABLE (6)		
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716A	4350	T	1	P	4349	0408	1440	30	32	32	34		14			16		21	6	3	018
716A	4350	D	1	P	4350	0408	1557	10	05	05	5							06			
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716A	4355	D	1	P	4355	0409	0031	10	05	05	5	7						54		29	
716A	4362	T	1	W	4357	0409	0328	30	31	31	3					6			56	1248	
716A	4363	T	1	W	4362	0409	1140	30	32	32	34		2			046		2		934	
716A	4363	D	1	W	4363	0409	1308	10	10	10	4	7				36				9	
716A	4364	T	1	P	4363	0409	1326	30	31	31	34					6				9	
717A	4365	T	1	P	4364	0409	1454	30	32	32	4	7	24			046		147		0148	
717A	4365	D	1	P	0365	0409	1623	10	10	10	5					0					
717A	4367	T	1	F	4366	0409	1807	30	31	31	45	7	4			012		36		0348	
717A	4370	T	1	P	4369	0409	2254	30	28	28	3	5			1		4	3	28	0148	
717A	4378	T	1	W	4372	0410	0404	30	32	32	3	5	1			046		3		8	
717A	4379	T	1	P	4378	0410	1350	30	32	32	34		4			06				9	
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717A	4394	T	1	P	4393	0411	1409	30	32	32	34	6	01			64		63	0	29	
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718A	4414	T	1	P	4413	0412	2242	30	31	31	45	7				16		2	05	9	
718A	4414	D	1	P	4414	0413	0022	10	06	06	5					1					
718A	4421	T	1	W	4415	0413	0155	30	31	31	3	5				0		23	03		

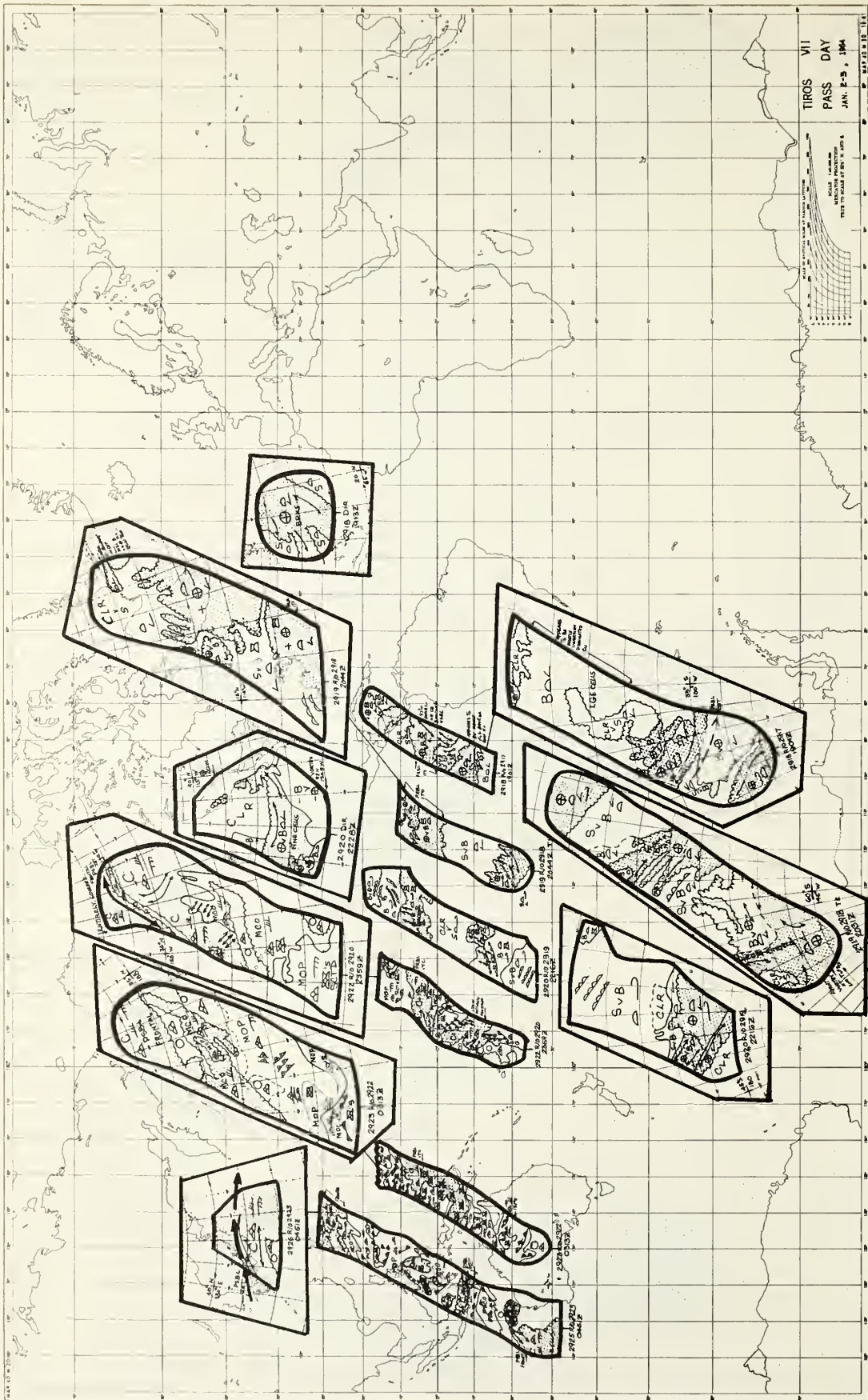
REEL	FILM LEGEND				PICTURE				SEQUENCE				DATA						
	PASS	M	C	S	PICTURE TAKING			FRAME	GEOGRAPHICAL	METEOROLOGICAL AND OTHER FEATURES									
					PASS	MIDPOINT				AREA COVERED	EXTROP CIRC.	TROP DISTURB	BANDS	CLOUD FEATURES		MISCEL- LANEOUS			
						DATE	TIME							TI	US		+	TABLE (1)	TABLE (2)
718A	4423	T	1	P	4422	C413	1318	30 32 32	34 6							7		28	
718A	4423	T	2	P				30 07 04											
718A	4426	T	1	F	4424	0413	1633	30 32 32	4 67	2		01				146		381	
718A	4427	T	1	F	4426	0413	1947	30 31 31	4 7			0				46	C	19	
718A	4427	D	1	F	4427	0413	2112	10 05 05	5 7			2						1249	
718A	4428	T	1	P	4427	0413	2124	30 31 31	2 45	1		0				017	C5	0248	
718A	4428	D	1	P	4428	0413	2301	10 06 06	5 7							2		28	
718A	4436	T	1	W	4430	0414	0219	30 32 32	3 5			04				1	0	9	
718A	4437	T	2	P	4436	0414	1205	30 32 32	1 3	4								8	
718A	4438	T	2	P	4437	0414	1343	30 32 32	3 6							06	0	82	
718A	4440	T	2	F	4439	0414	1657	30 32 32	4 6			17				C47		1	
718A	4441	T	2	F	4440	0414	1843	30 10 10	2 4			8							
718A	4443	T	2	P	4442	0414	2157	30 28 24	4 78			0					0	9	
718A	4443	D	2	P	4443	0414	2324	10 02 02	5							0			
719A	4451	T	2	W	4445	0415	0243	30 32 32	1 5	2	8	11				2	0		
719A	4452	T	2	P	4451	0415	1227	30 32 32	1 3		5	6				67	0	28	
719A	4454	T	2	F	4453	0415	1541	30 32 32	4 6		8	017				346	C3	8	
719A	4455	T	2	F	4454	0415	1724	30 28 27	2 4							6	3		
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719A	4466	T	2	P	4459	0416	0125	30 32 32	5	12	8	026				067	0	9	
719A	4467	T	2	P	4466	0416	1250	30 29 29	3 6		5					67	05	28	
719A	4469	T	2	F	4468	0416	1600	30 32 32	4 67		8	0				1467	026	38	
719A	4470	T	2	F	4469	0416	1739	30 32 32	2 4		8					C167	0		
719A	4472	T	2	P	4471	0416	2055	30 32 32	1 5 78			6				013	0	9	
719A	4472	D	2	P	4472	0416	2228	10 06 06	5							03			
719A	4480	T	2	W	4474	0417	0146	30 32 32	5			11					06		
719A	4481	T	2	P	4480	0417	1136	30 24 24	1 3		8					7	C5	8	
719A	4483	T	2	F	4481	0417	1314	30 32 32	3 6		8					017	0	8	
719A	4484	T	2	F	4483	0417	1628	30 32 32	2 4		8	15				067	C3	9	
719A	4485	T	2	F	4484	0417	1800	30 32 32	4 7		8	059				0163	0	319	
719A	4487	T	2	P	4485	0417	1936	30 32 32	4 7			167				67	C	9	
719A	4487	D	2	P	4487	0417	2252	10 05 05	5			6				0			
720A	4494	T	1	W				30 24 15											
720A	4495	T	2	W	4489	0418	0215	30 19 17	1 5		6					7	0		
720A	4496	T	2	P	4495	0418	1158	30 32 32	1 3 6		48					67	0	8	
720A	4498	T	2	W	4496	0418	1332	30 29 29	3 6		5	6					C2	9	
720A	4499	T	2	F	4498	0418	1644	30 32 32	4 7	04	8	0				0346	C5	138	
720A	4501	T	2	P	4500	0418	1956	30 31 31	45 78			6				0		29	
720A	4501	D	2	P	4501	0418	2132	10 06 06	5 7							6		92	
720A	4509	T	2	W	4503	0419	0048	30 32 32	3 5	4		1				3		8	
720A	4513	T	2	F	4509	0419	1042	30 32 30	1 3							07	2	8	
720A	4514	T	2	F	4513	0419	1702	30 32 32	4 7			03				0467	0	1238	
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720A	4516	T	2	P	4515	0419	2016	30 32 32	45 7			6				670	1	82	
720A	4524	T	2	W	4518	0420	0110	30 32 32	3 5		6	0				63	0	28	
720A	4527	T	2	W	4524	0420	1104	30 28 28	1 3		68					1	0	9	
720A	4528	T	2	F	4527	0420	1553	30 32 32	2 4		3	1				0163	0		
720A	4530	T	2	P	4529	0420	1900	30 32 32	45 7							67	012	826	
720A	4530	D	2	P	4530	0420	2037	10 06 06	5							4		9	
720A	4539	T	2	P	4532	0420	2354	30 32 32	5	1	8	01				06	0	28	
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721A	4545	T	2	P	4544	0421	1922	30 32 32	45 78			1				067	01	8	
721A	4545	D	1	P	4545	0421	2058	10 05 05	5							0			
721A	4553	T	1	W	4547	0422	0025	30 31 31	1 5		8					7	0		
721A	4555	T	1	P	4553	0422	1008	30 32 32	1 3 6		8	5				07	C4	8	
721A	4557	T	1	F	4555	0422	1315	30 32 32	4 67	4		02				36	0	58	
721A	4559	T	1	F	4558	0422	1805	30 32 32	45 78	14		1				067	0	029	
721A	4559	D	1	F	4559	0422	1936	10 06 06	5 7			1				4		79	
721A	4567	T	1	W	4561	0422	2305	30 31 31	1 5		8					02	C	9	
721A	4569	T	1	P	4568	0423	1023	30 32 32	3 6		56	6				067	0	1258	
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721A	4573	T	1	F	4572	0423	1650	30 32 32	4 78		8	1				7		458	
721A	4584	T	1	P	4575	0423	2143	30 32 32	5		8	065				0267	C5		
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721A	4588	T	1	F	4586	0424	1533	30 31 31	4 78		8	0				67	02	458	
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721A	4598	T	1	P	4590	0424	2204	30 31 31	5	4	8	06				0			
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722A	4616	D	1	W	4616	0426	1617	10 12 12	4 7			3						8	
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722A	4630	T	1	F	4628	0427	1143	30 32 32	4 67			0				6	06	8	
722A	4632	T	1	F	4631	0427	1637	30 32 32	45 67		8	07				67	C	29	
722A	4633	T	1	P	4632	0427	1814	30 32 32	5 7	4	8	6				0167	0	29	

REEL	FILM LEGEND	PICTURE SEQUENCE DATA													
		PICTURE TAKING					FRAME	GEOGRAPHICAL AREA COVERED	METEOROLOGICAL AND OTHER FEATURES						
		PASS	MIDPOINT		EXTROP CIRC.	TROP DISTURB			BANDS	CLOUD FEATURES		MISCEL- LANEOUS			
			DATE	TIME						TABLE (1)	TABLE (2)		TABLE (3)	TABLE (4)	TABLE (5)
730A	5224 T 2 W	5221	0606	1531	30 31 31	4 8	02	8	0234	167	04	8			
731A	5226 D 2 P	5226	0606	2206	10 06 06	5			07	014	4				
731A	5226 T 2 P	5224	0606	2022	30 32 32	1 5 7		8	1	014	3	89			
731A	5229 T 2 F	5227	0607	0114	30 32 32	1 5	2	6	0	0163	0	85			
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731A	5238 D 2 W	5238	0607	1731	10 06 06	4	12		0						
731A	5238 T 2 W	5236	0607	1551	30 32 32	4 8	02	8	0246	127	04				
731A	5240 D 2 P	5240	0607	2046	30 04 04	5 7			1	7		9			
731A	5240 T 2 P	5238	0607	1908	30 32 32	1 5 7	1	8		0674	03	59			
731A	5243 T 2 F	5241	0608	0000	30 32 32	1 5		6	0	0167	02	5			
731A	5243 T 1 F	5242	0608	0136	30 32 32	1 5	1	6	0	67	024	95			
731A	5245 T 2 P	5243	0608	0314	30 32 32	1 3 5	1			7	0	59			
731A	5253 D 2 W	5253	0608	1754	30 04 04	4 7	0		1	1	01	8			
731A	5253 T 2 W	5250	0608	1436	30 32 32	4 8		6	0	02	0	8			
731A	5255 D 2 P	5255	0608	2109	10 06 06	5 7			0	26					
731A	5255 T 2 P	5253	0608	1930	30 32 32	1 5 7		8	1	267	0	9			
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731A	5258 T 1 F	5257	0609	0158	30 32 32	5	1	6	1	26	03	59			
731A	5267 D 1 W	5267	0609	1636	10 05 05	4	2		06	036	0				
731A	5267 T 2 W	5266	0609	1458	30 32 32	4 8	2		0	0	04				
731A	5269 D 1 P	5269	0609	1951	10 05 05	5 7			0	016		8			
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731A	5272 T 1 W	5270	0609	2128	30 31 31	5 7		68	6	67	02				
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732A	5282 D 1 W	5282	0610	1658	30 03 03				1	06		08			
732A	5282 T 1 W	5281	0610	1518	30 32 32	4 8	4	8	06	067	0	59			
732A	5284 D 1 P	5284	0610	2013	10 05 05	5			2						
732A	5284 T 1 P	5283	0610	1835	30 31 31	5 7		8		067	0	8			
732A	5287 T 1 F	5285	0610	2149	30 31 31	5		68	0	4567	02	59			
732A	5287 T 2 F	5287	0611	0103	30 32 32	5		8	0	067	024	5			
732A	5289 T 1 P	5288	0611	0240	30 32 32	1 3 5	0	58	6	67	0	59			
732A	5296 T 1 W	5295	0611	1402	30 32 32	34 8	0	8	0	0	0	59			
732A	5298 D 1 P	5298	0611	1855	10 05 05	5						9			
732A	5298 T 1 P	5297	0611	1718	30 32 32	1 4 5 7		8	3	6	0	85			
732A	5302 D 1 F	5302	0612	0139	10 05 05	5 7					01				
732A	5302 T 1 F	5300	0611	2211	30 31 31	5 7		8	0	37	0	5			
732A	5302 T 2 F	5302	0612	0125	30 32 32	5 7 9	2	8	0	674	0				
732A	5304 T 1 P	5303	0612	0301	30 32 32	1 3 5		48	6	6	0	9			
732A	5311 D 1 W	5311	0612	1602	10 05 05	4 7			0	06	0	95			
732A	5311 T 1 W	5310	0612	1423	30 32 32	4 8	1	8	0	06	0	9			
732A	5315 T 1 F	5312	0612	1740	30 31 31	5 7		8	0	67	1	58			
732A	5316 D 1 F	5316	0613	0021	10 06 06	5 7	2		0			2			
732A	5316 T 1 F	5316	0613	0009	30 32 32	1 5 7			0	6	0				
732A	5316 T 2 F	5313	0612	2042	30 26 26	1 5 9				7	0				
732A	5318 T 1 P	5317	0613	0143	30 32 32	1 3 5		68	5	67	09	59			
732A	5326 D 1 W	5326	0613	1624	10 05 05	4 7					01	8			
732A	5326 T 1 W	5325	0613	1444	30 32 32	4 8		8	0	06	0	8			
733A	5328 D 1 P	5328	0613	1940	10 05 05	5				06					
733A	5328 T 1 P	5327	0613	1807	30 31 31	5 7	4		0	0	01	950			
733A	5330 T 1 F	5330	0613	2253	30 31 31	5 7	0		0	47		5			
733A	5331 T 1 W	5331	0614	0030	30 32 32	1 5		8	6	07	0				
733A	5333 T 1 P	5332	0614	0207	30 31 31	1 3 5		8	6	6	0	95			
733A	5340 T 1 W	5339	0614	1336	30 32 32	4	0		014	237		9			
733A	5340 D 1 W	5340	0614	1506	10 05 05	4				06	0	9			
733A	5343 T 1 P	5341	0614	1647	30 31 31	5 7		8	1	60	0	9			
733A	5345 T 1 F	5344	0614	2137	30 31 31	5 7	0		0	56	0				
733A	5345 T 1 F	5345	0614	2316	30 32 32	5 7	1	8	023	4	0				
733A	5346 T 1 F	5346	0615	0054	30 32 32	1 5	14	8	1	46	0	59			
733A	5347 T 1 P	5347	0615	0231	30 32 32	3 5		8	6	67	0	9			
733A	5357 D 1 P	5357	0615	1844	30 03 03	5	1			2					
733A	5357 T 1 P	5354	0615	1353	30 32 32	4 8			9	7	0	59			
733A	5359 T 1 F	5359	0615	2159	30 31 31	5 7	0		1		0				
733A	5360 T 1 F	5360	0615	2336	30 32 32	5 7	1		1	7	0				
733A	5361 T 1 F	5361	0616	0114	30 32 32	1 3 5			1		0				
733A	5362 T 1 P	5362	0616	0252	30 32 32	1 3		8	01	067	0	59			
733A	5372 T 1 P	5368	0616	1236	30 32 32	34		4	7	7	0	9			
734A	5374 T 2 W	5374	0616	2218	30 32 32	1 5	124		8	17	0				
734A	5375 D 2 F	5375	0617	0010	10 05 05	5 7				4		29			
734A	5375 T 2 F	5375	0616	2355	30 32 32	1 3 5 7	4	8	1	7	02	5			
734A	5376 D 2 F	5376	0617	0149	10 06 06	5 7				4		2			
734A	5376 T 2 F	5376	0617	0133	30 31 31	1 3 5	2	8	1	7	20	59			
734A	5377 T 2 P	5377	0617	0310	30 32 32	1 3		58	6	67	05	9			
734A	5386 D 2 P	5386	0617	1748	10 06 06	5				26					
734A	5388 T 2 W	5388	0617	2100	30 32 32	1 5 7	4	8	0	06	0				
734A	5389 D 2 F	5385	0617	2251	10 06 06	5 7	1			4		29			
734A	5389 T 2 F	5389	0617	2239	30 32 32	5	2	8	1	6	0				
734A	5390 D 2 F	5390	0618	0031	10 06 06	5 7				4		29			
734A	5390 T 2 F	5390	0618	0016	30 32 32	1 3 5			1	6	0	9			
734A	5391 T 2 P	5391	0618	0154	30 32 32	1 3		4	8	136	067	0			
734A	5401 T 2 P	5397	0618	1146	30 32 32	34	4		0			9			
734A	5403 T 2 F	5403	0618	2124	30 30 30	5 7		8	17	7	0				

REEL	FILM LEGEND	PICTURE SEQUENCE DATA													
	PASS M C S	PICTURE TAKING			FRAME TI US +	GEOGRAPHICAL AREA COVERED 1 2 3 4 5 6 7 8 9 0	METEOROLOGICAL AND OTHER FEATURES								
		PASS	MIOPOINT				EXTROP CIRC.	TROP. DISTURB.	BANDS	CLOUD FEATURES			MISCEL- LANEOUS		
			DATE	TIME						TABLE (1)	TABLE (2)	TABLE (3)		TABLE (4)	TABLE (5)
734A	5404 T 2 F	5404	0618	2300	30 32 32	5	2	8	04	6	0				
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734A	5415 T 2 P	5414	0619	1532	30 17 07	34			0	6				9	
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735A	5430 0 2 P	5430	0620	1714	10 06 06	5				25					
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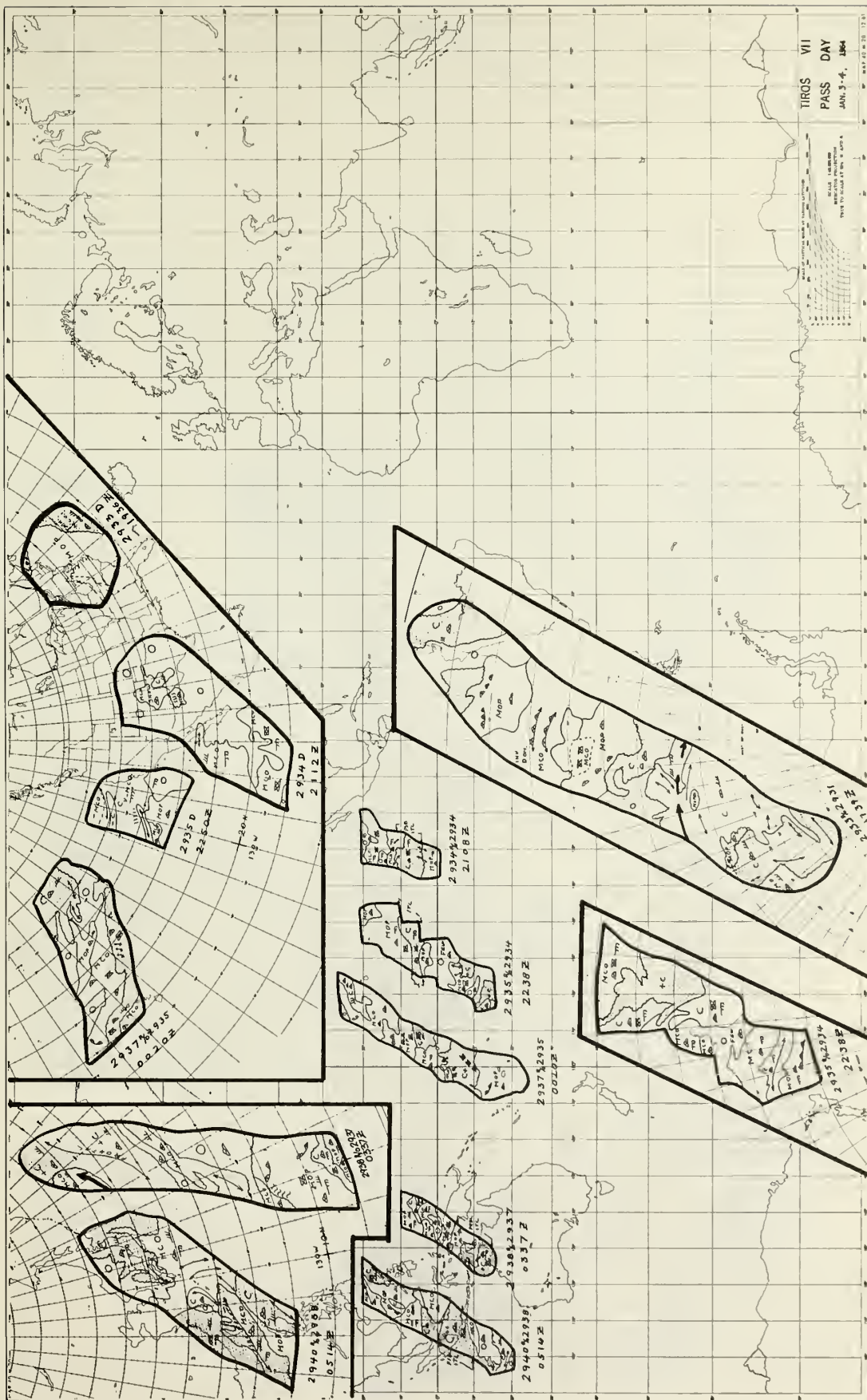


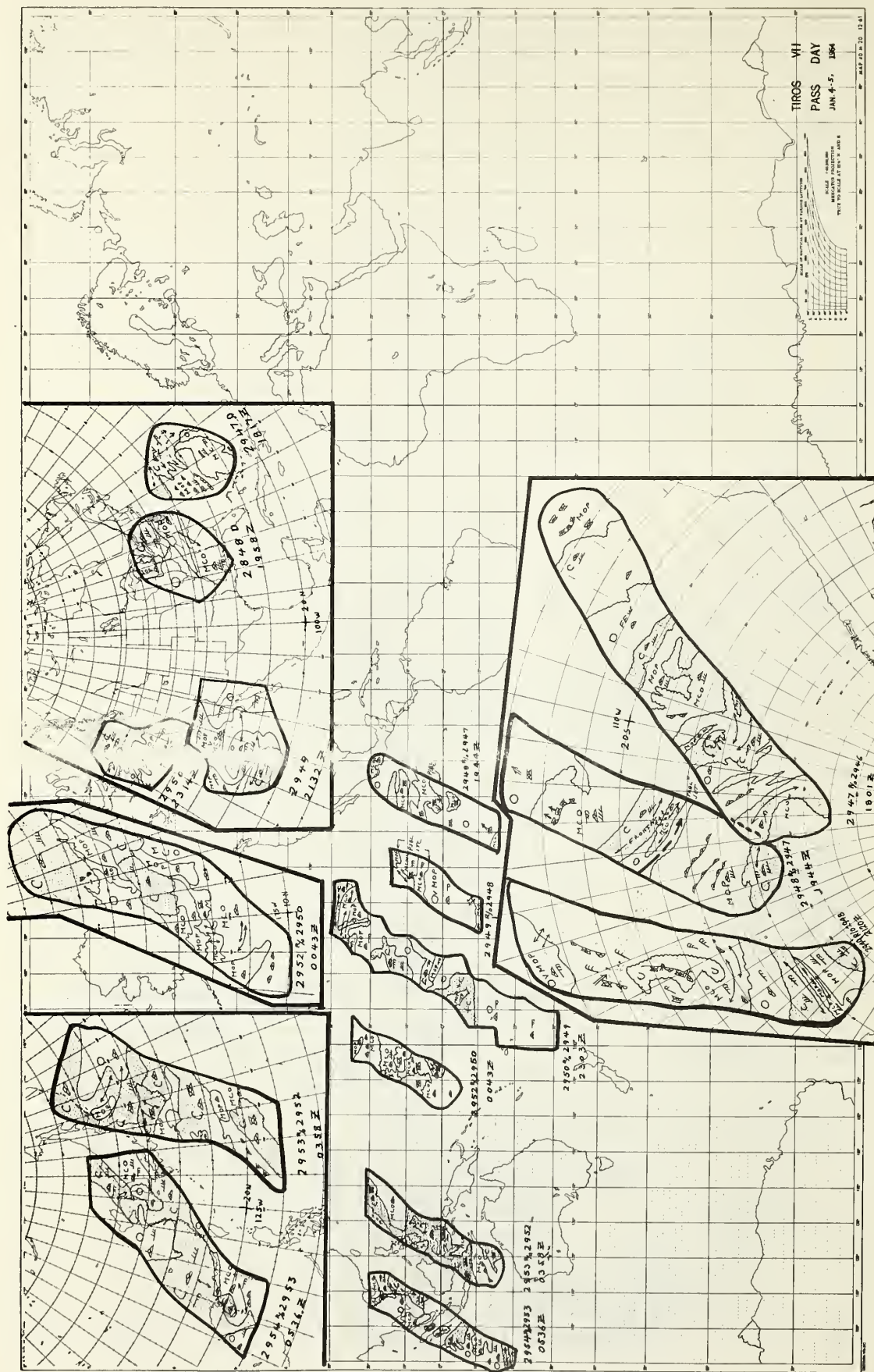


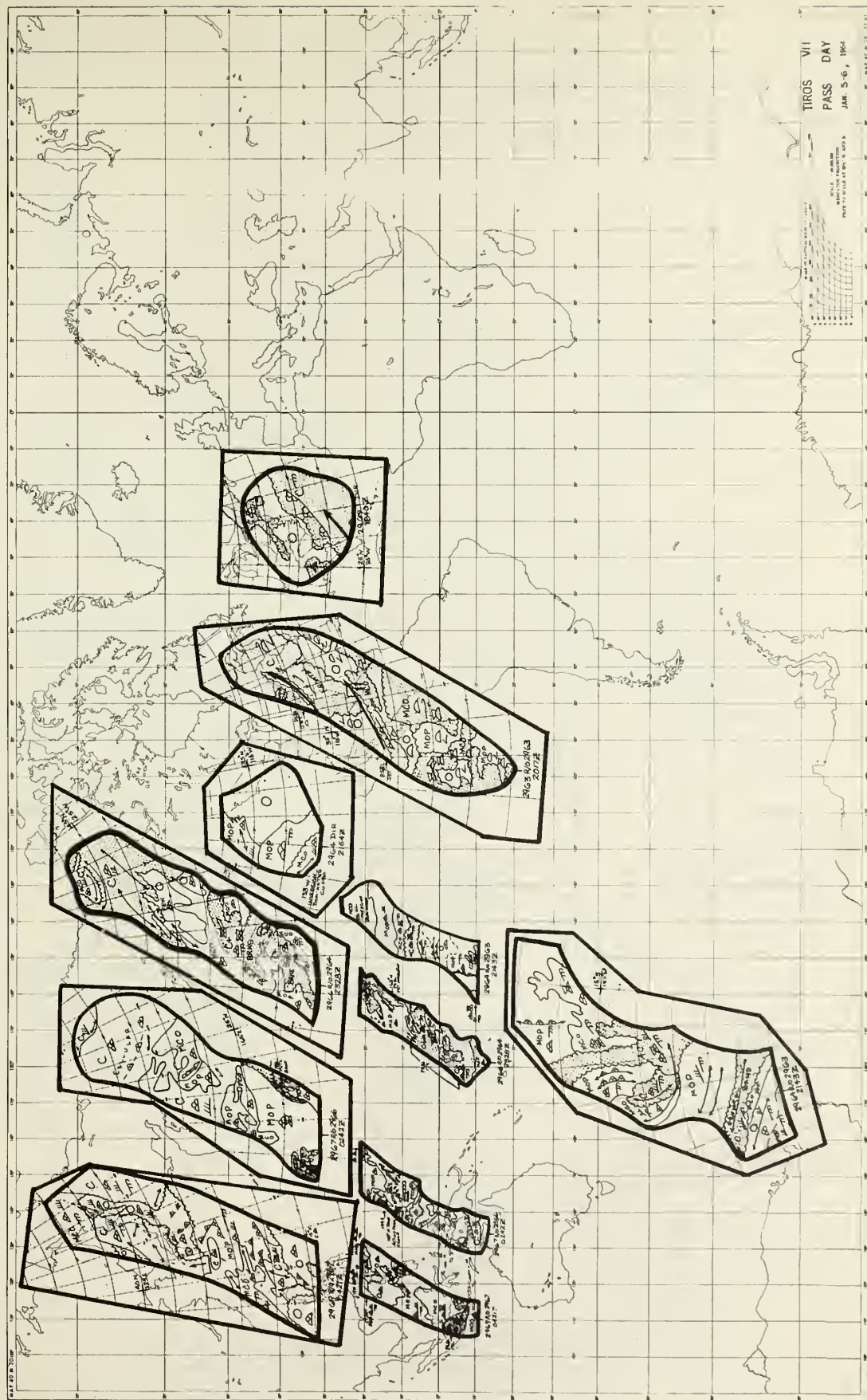


TIROS VII
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JAN. 2-3, 1964



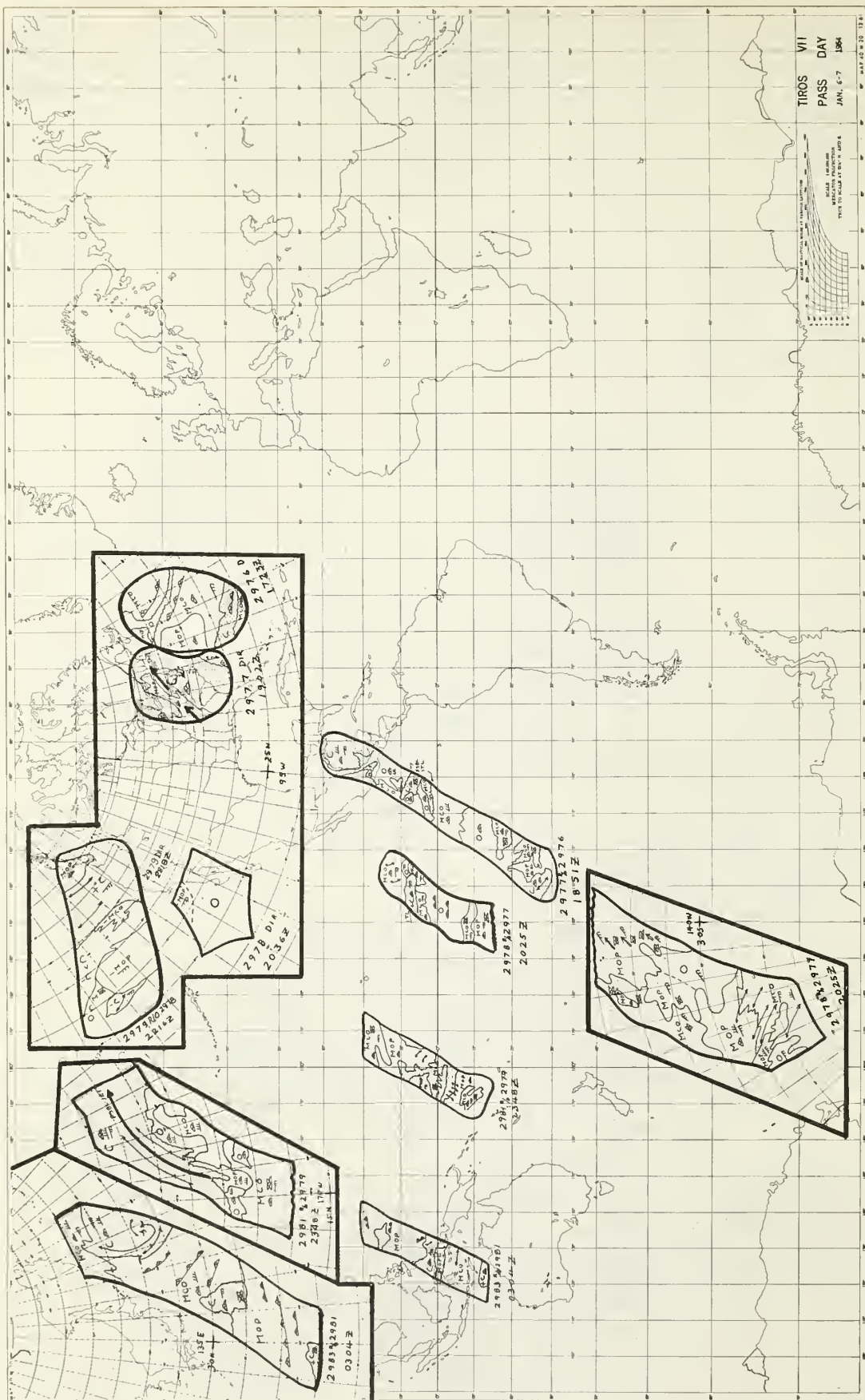


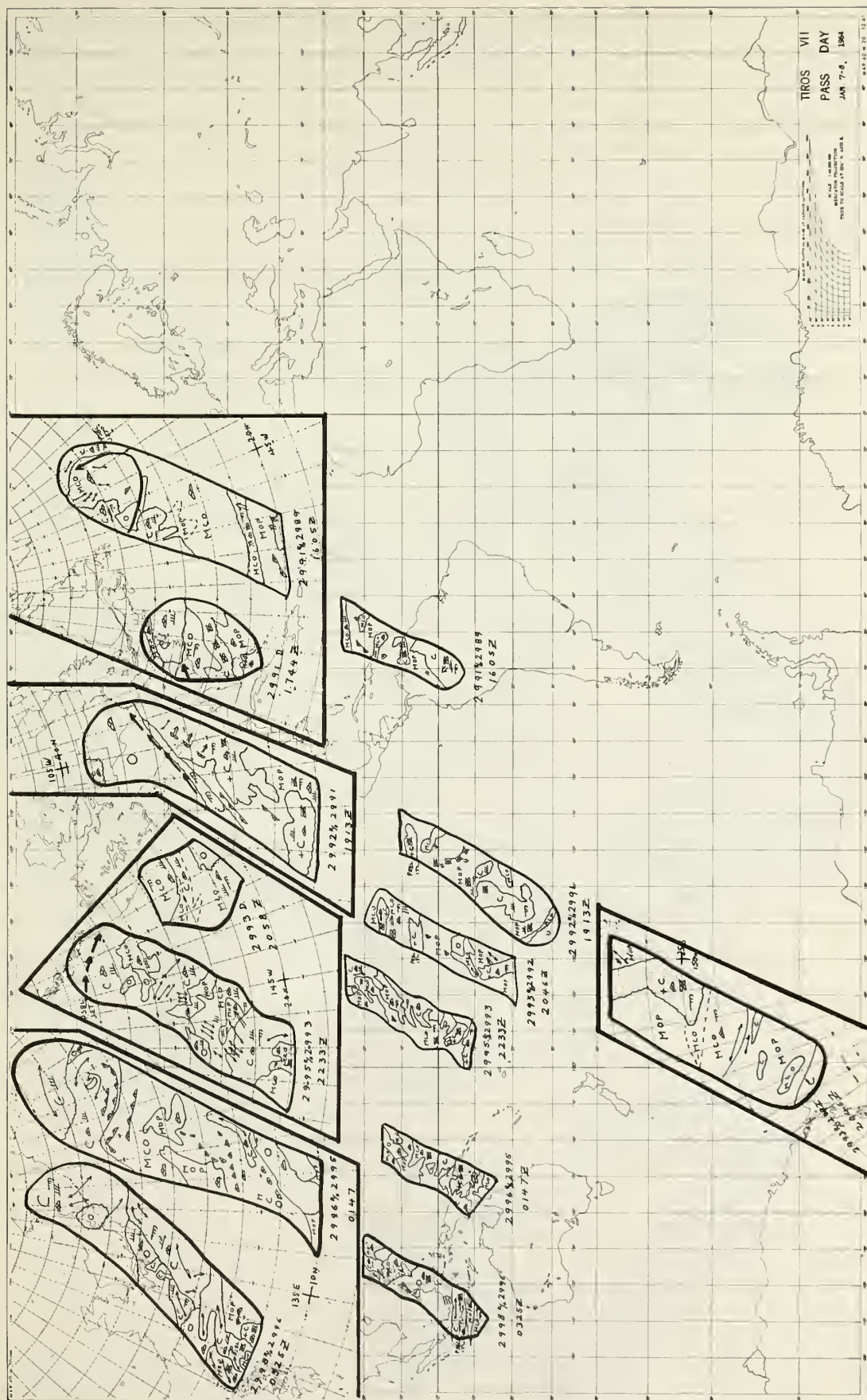




TIROS VII
PASS DAY
JAN. 5-6, 1964

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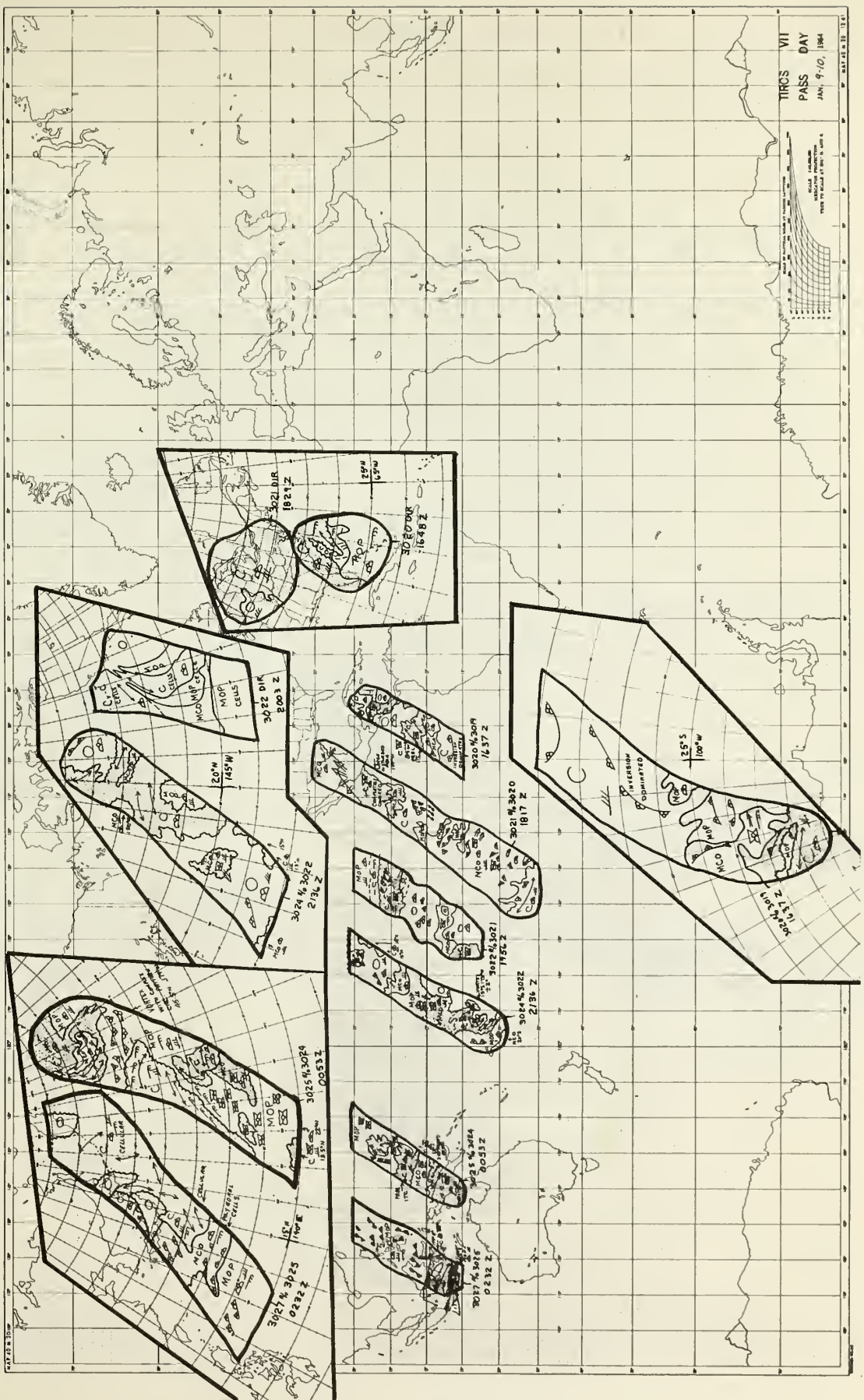




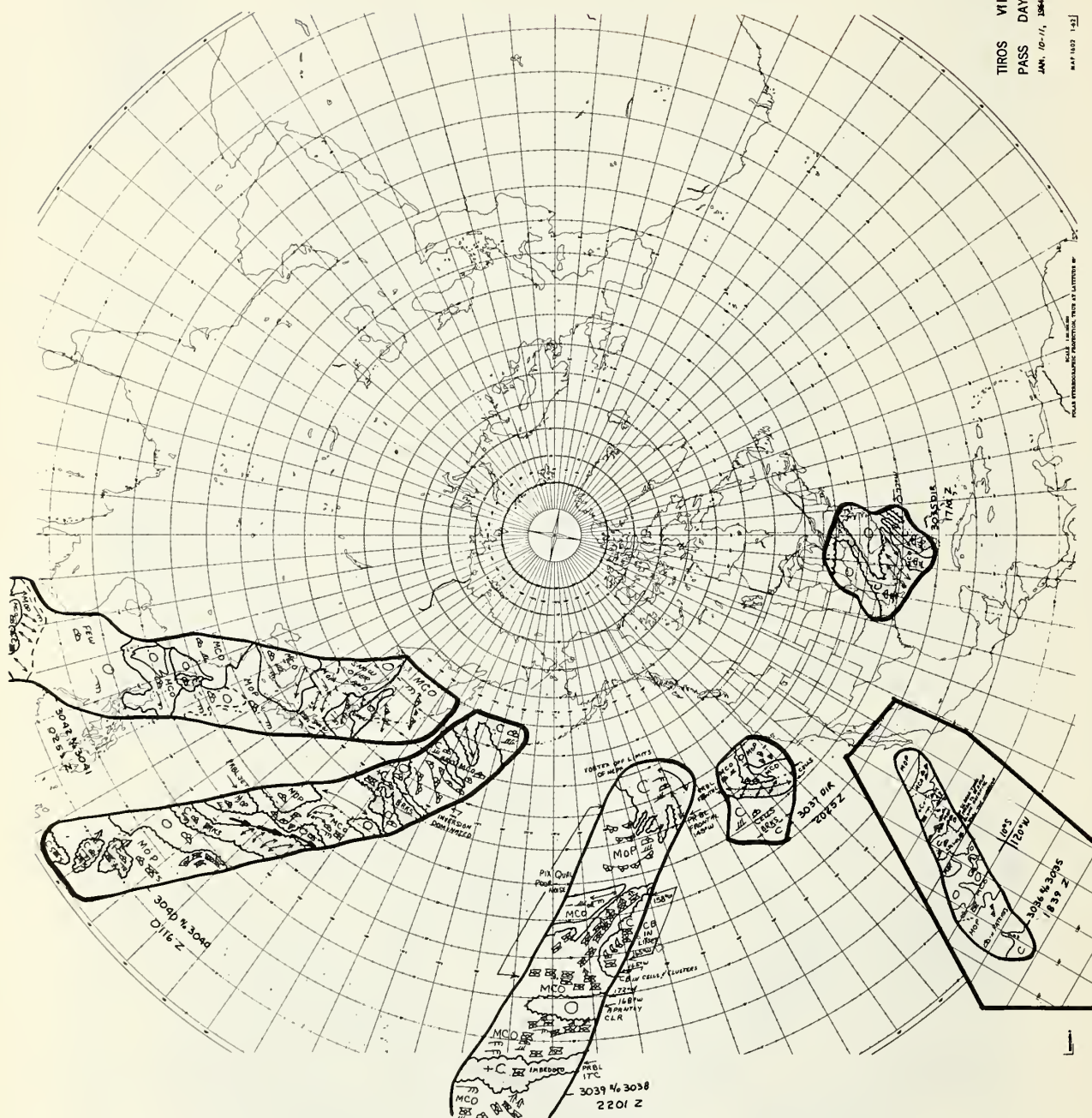
TIROS VII
PASS DAY
JAN. 7-8, 1964

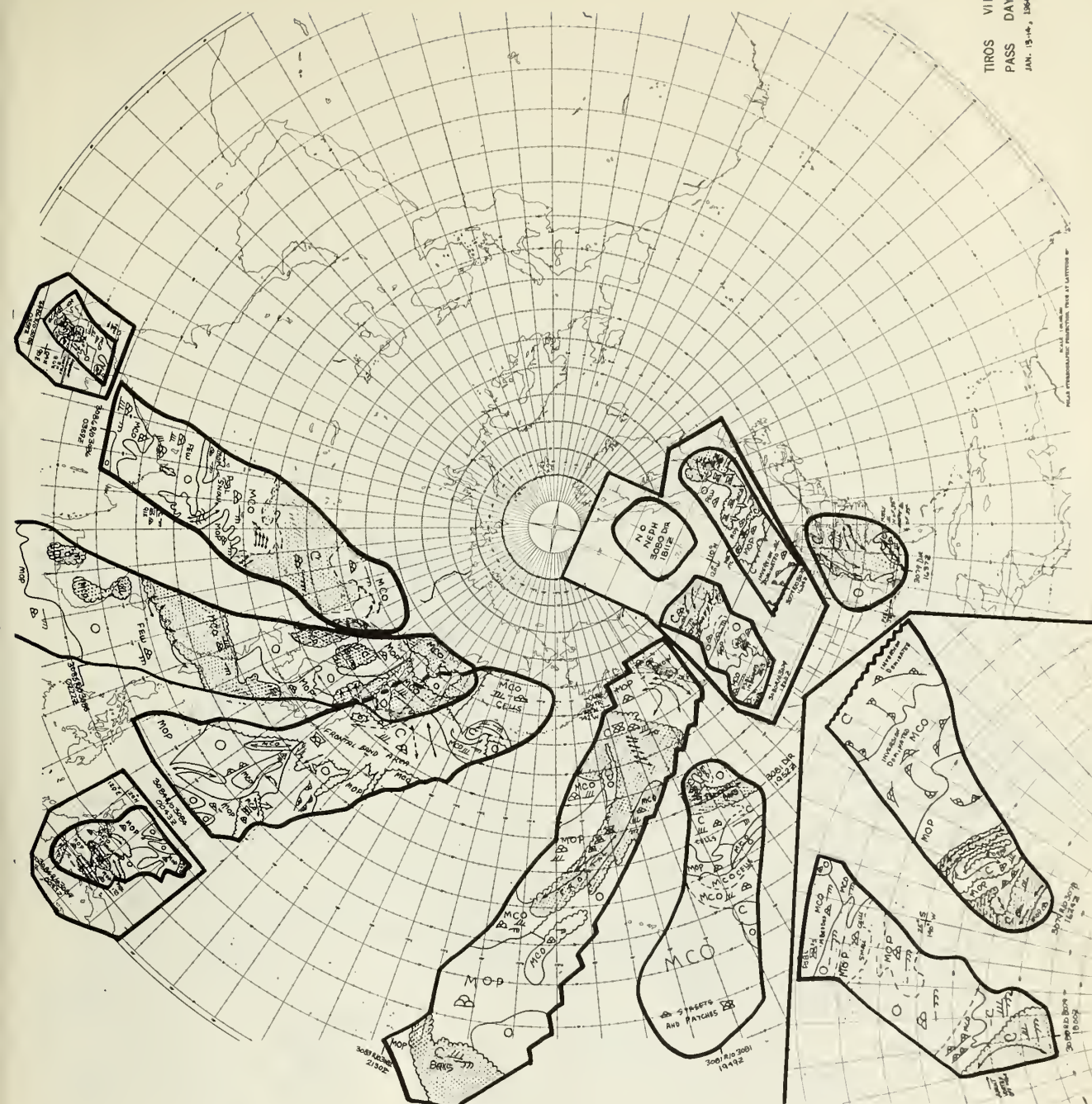
WILKINSON PRODUCTIONS
P.O. BOX 47 HUNTSVILLE, AL 35894



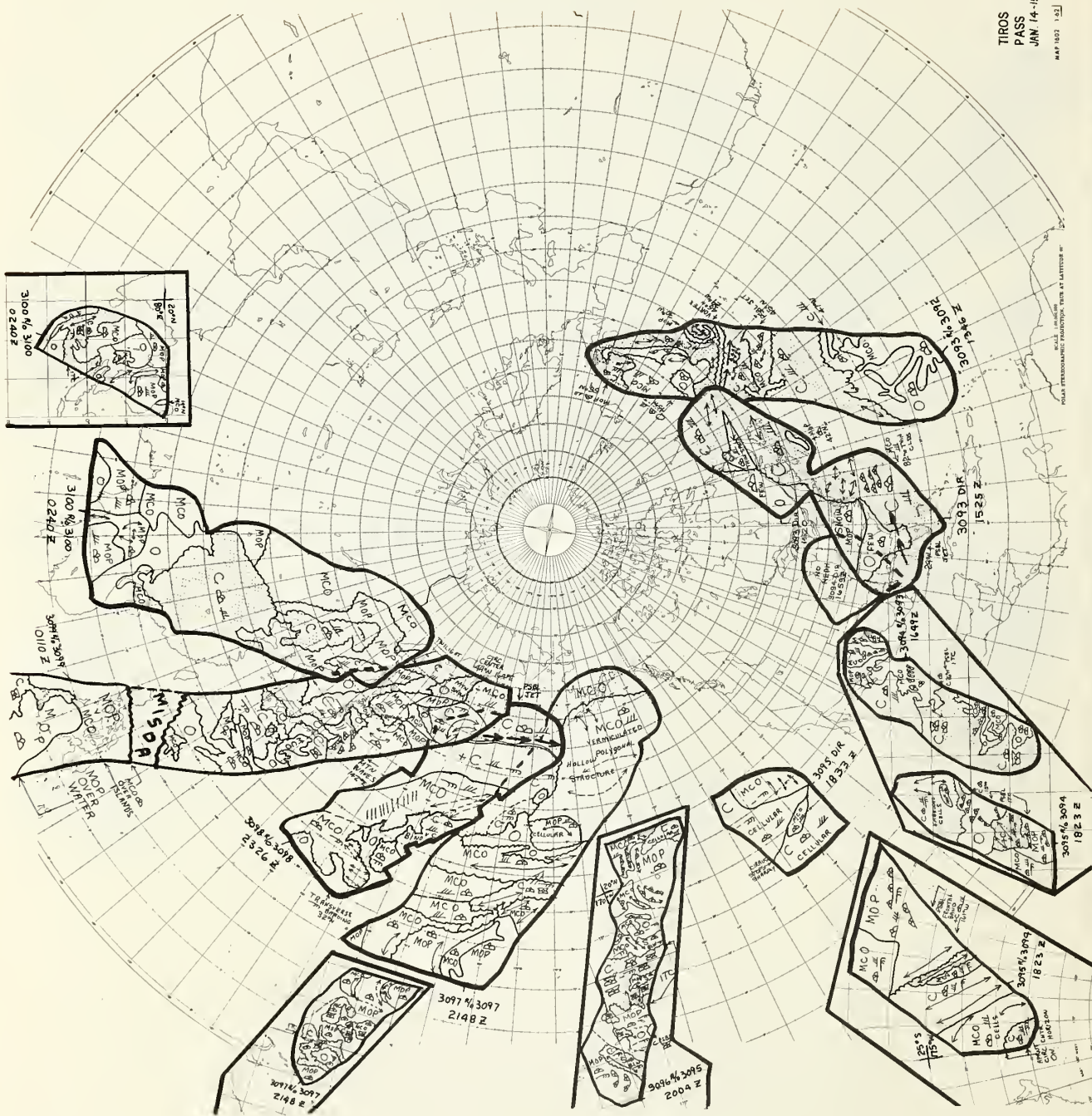


MAP 1492 143f

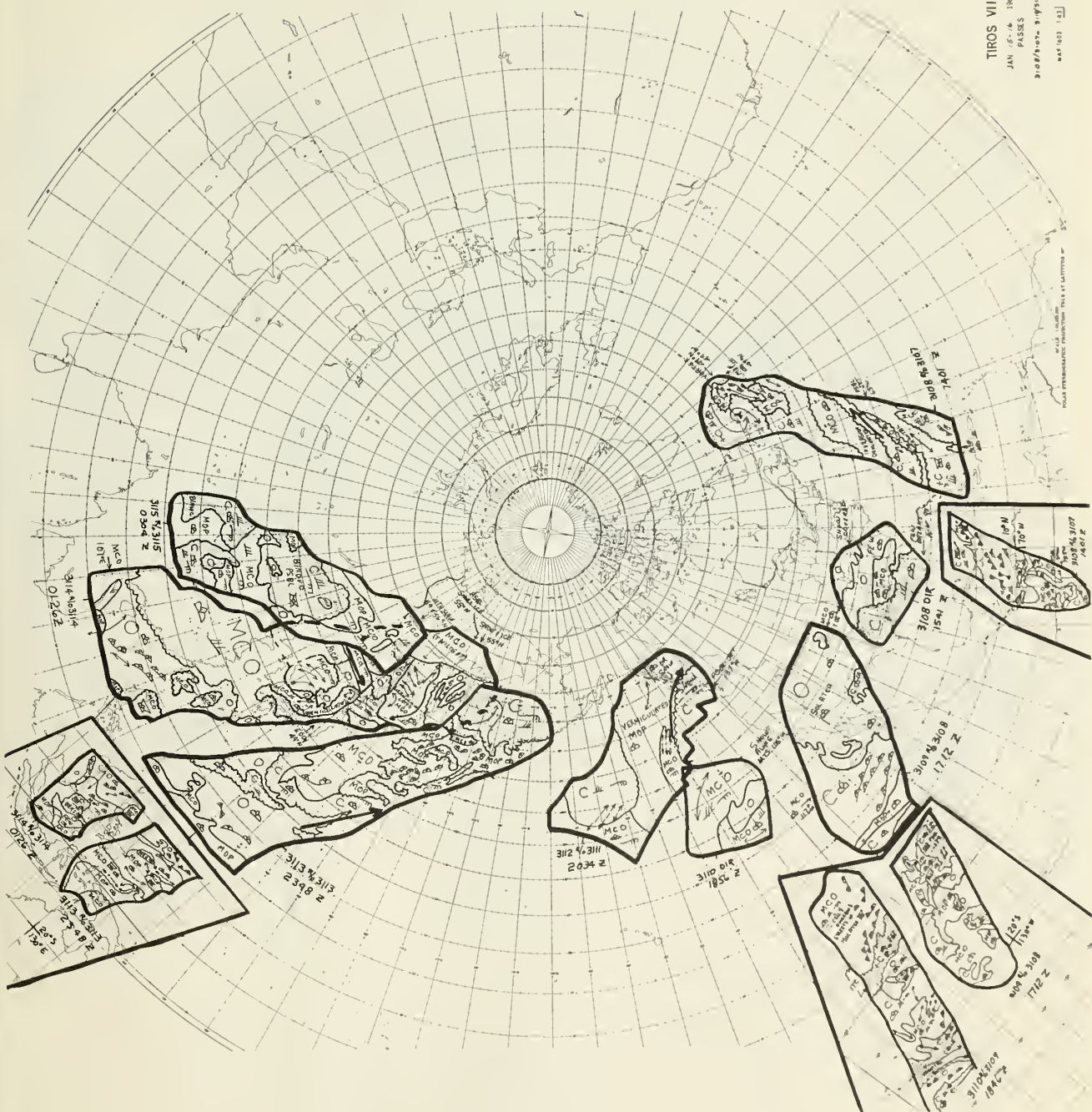


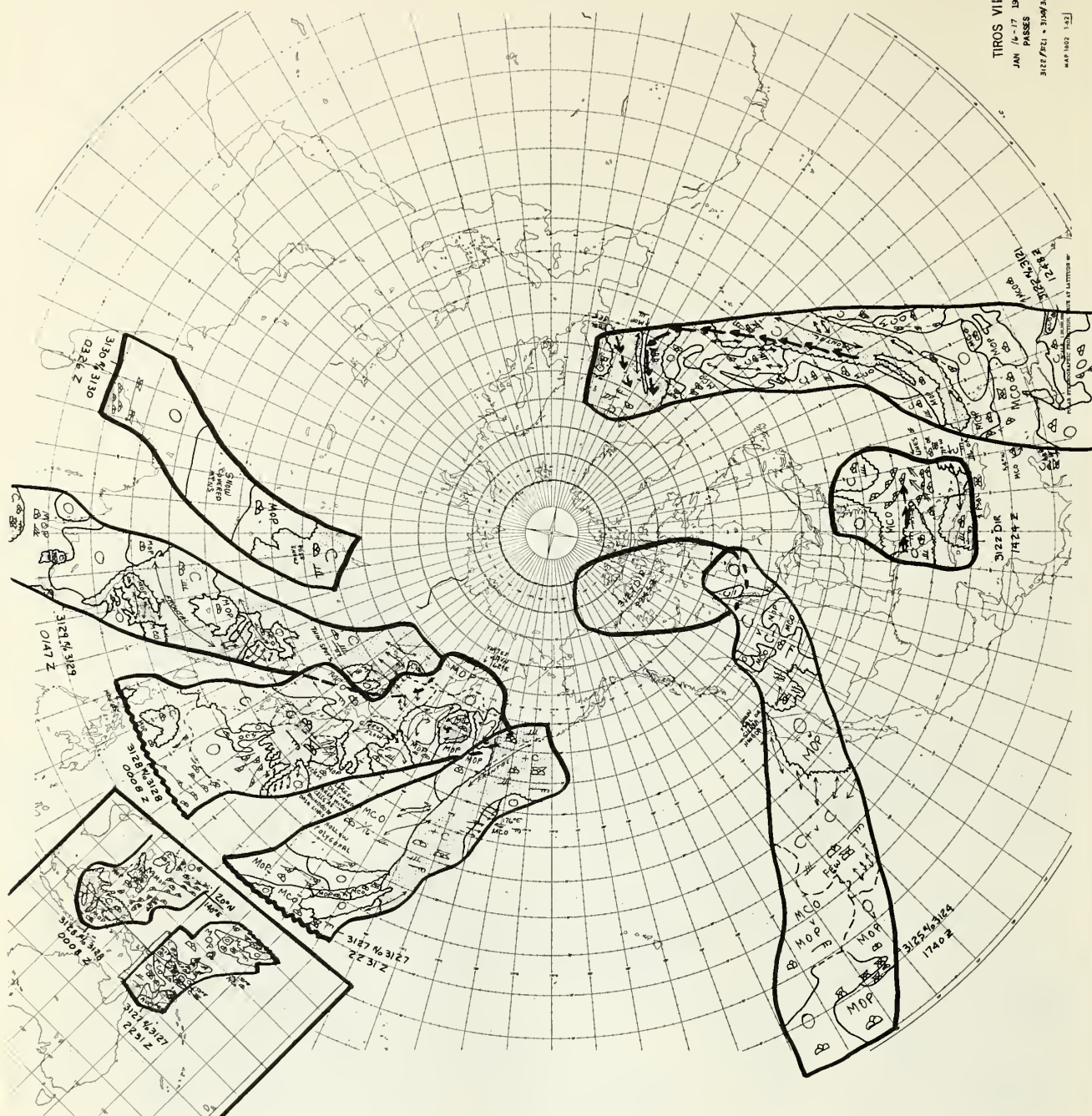


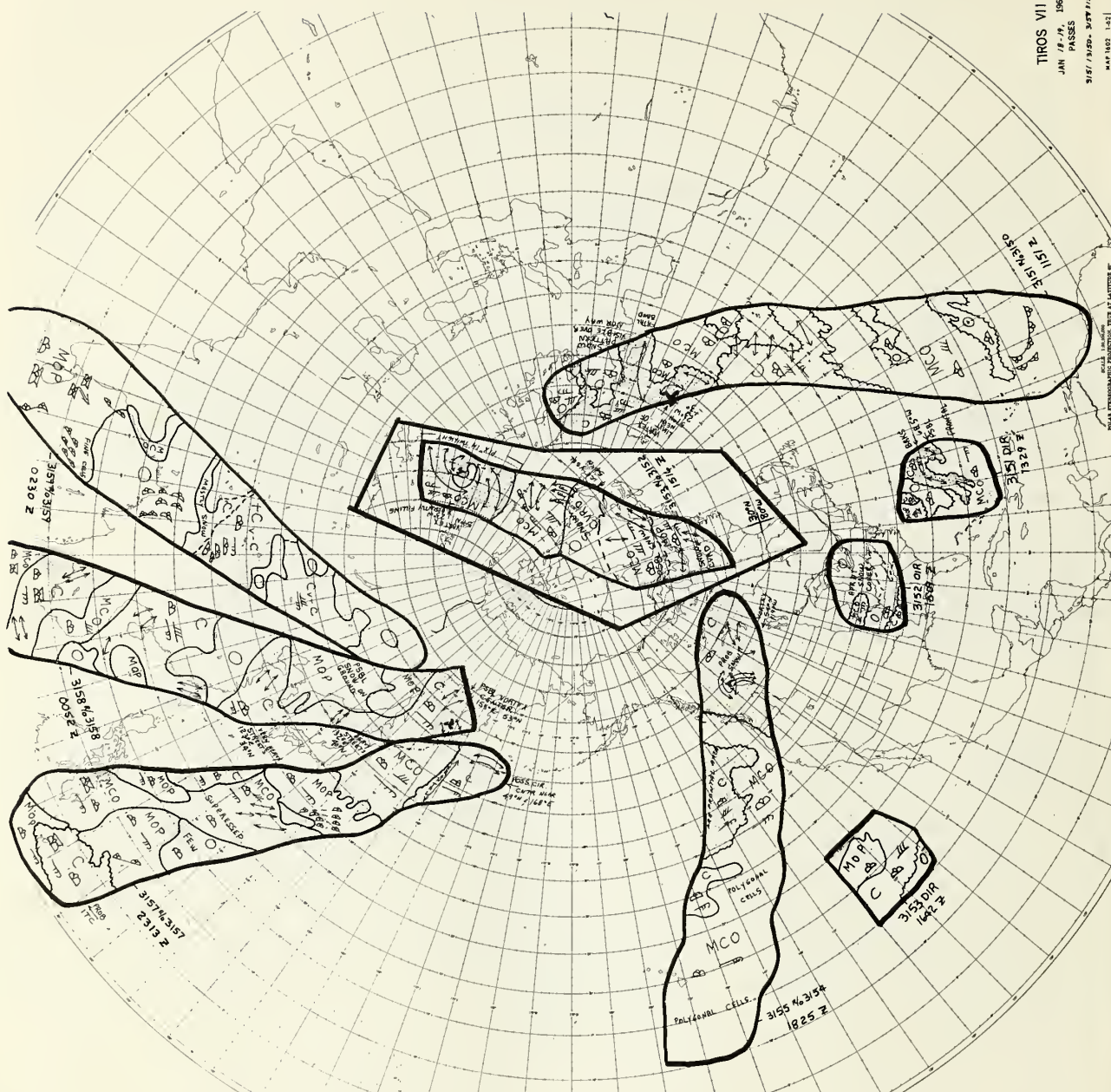
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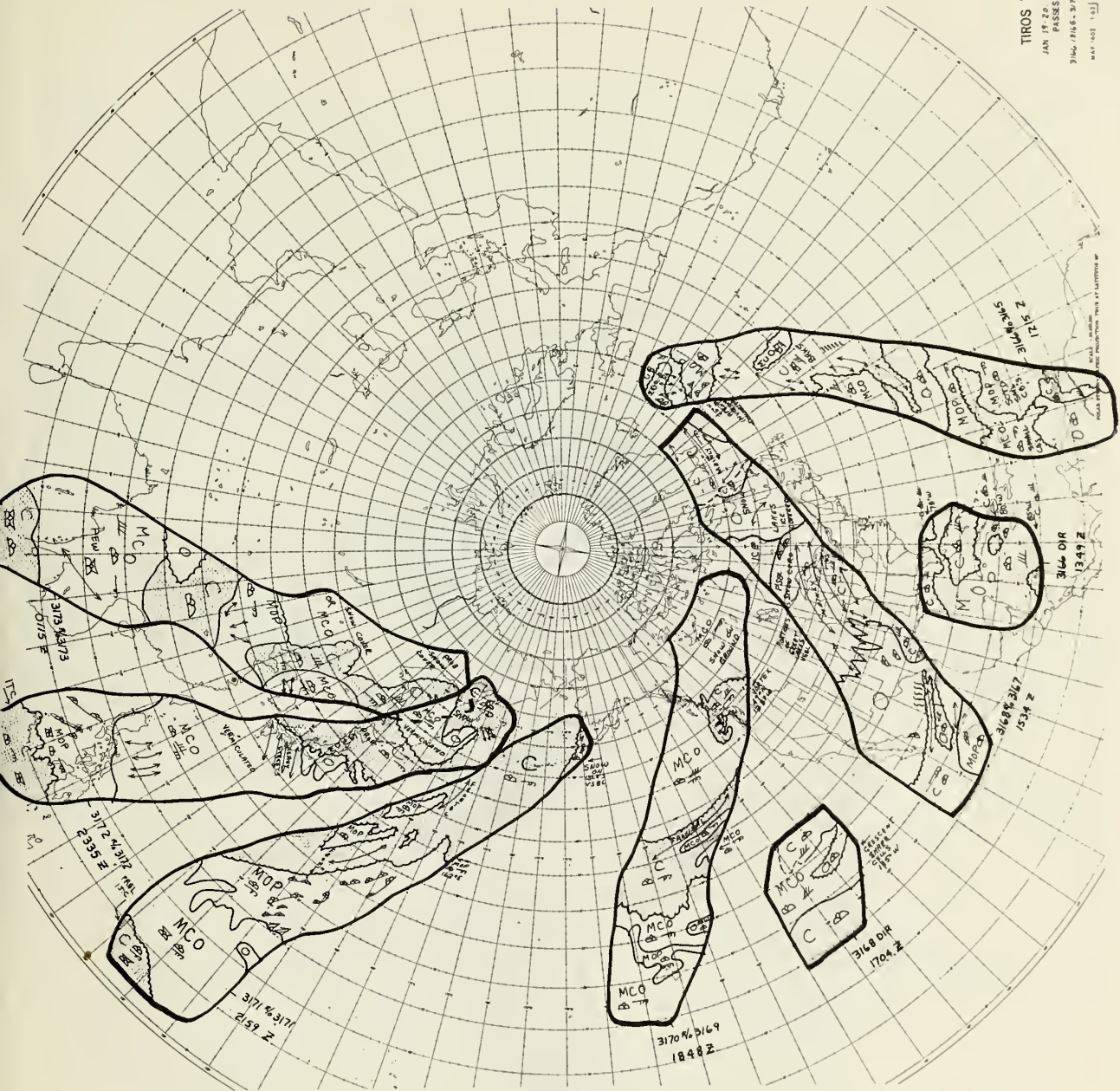
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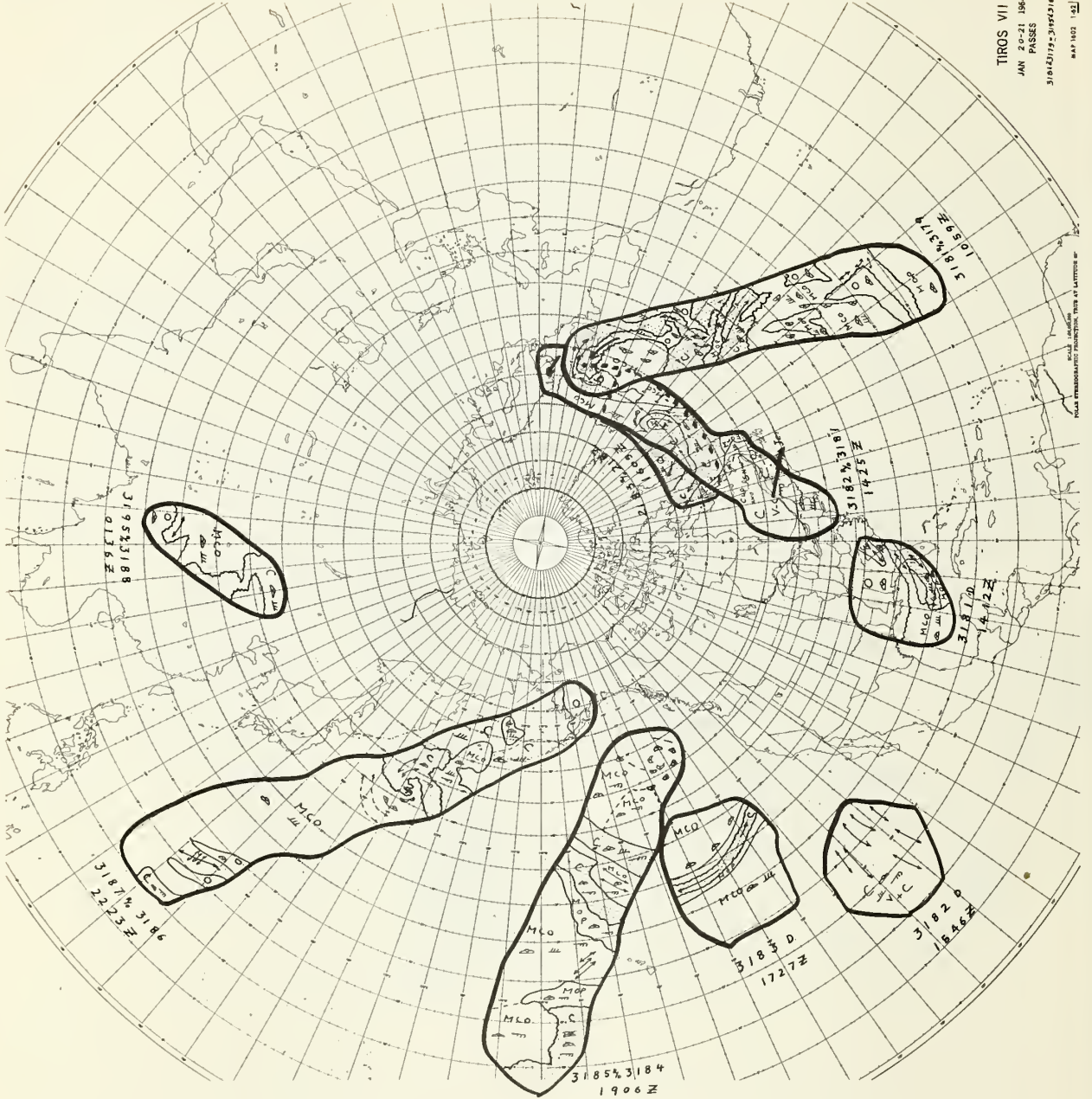




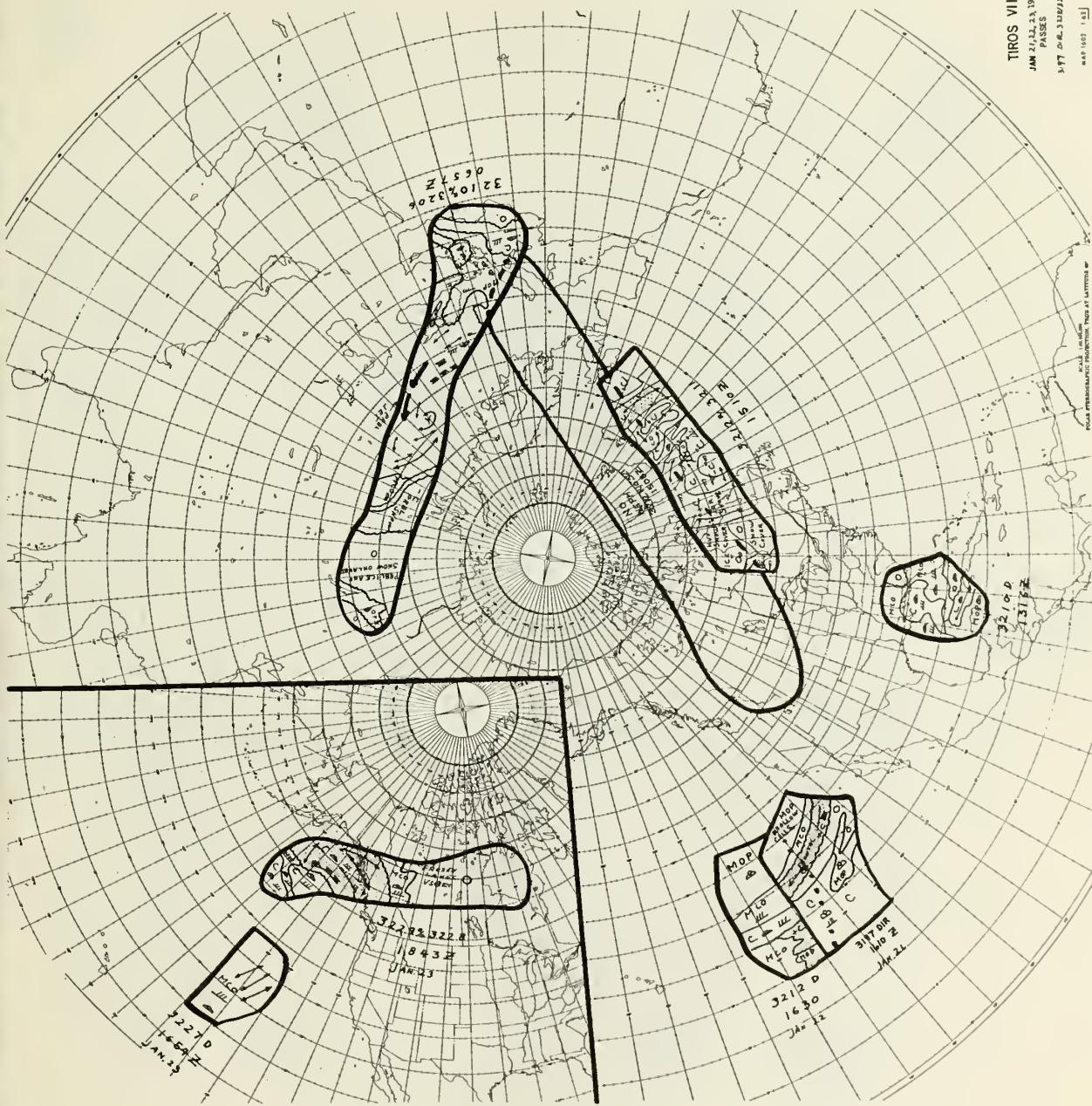


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 3166 3166-3170-3173
 MAY 1963 1:23





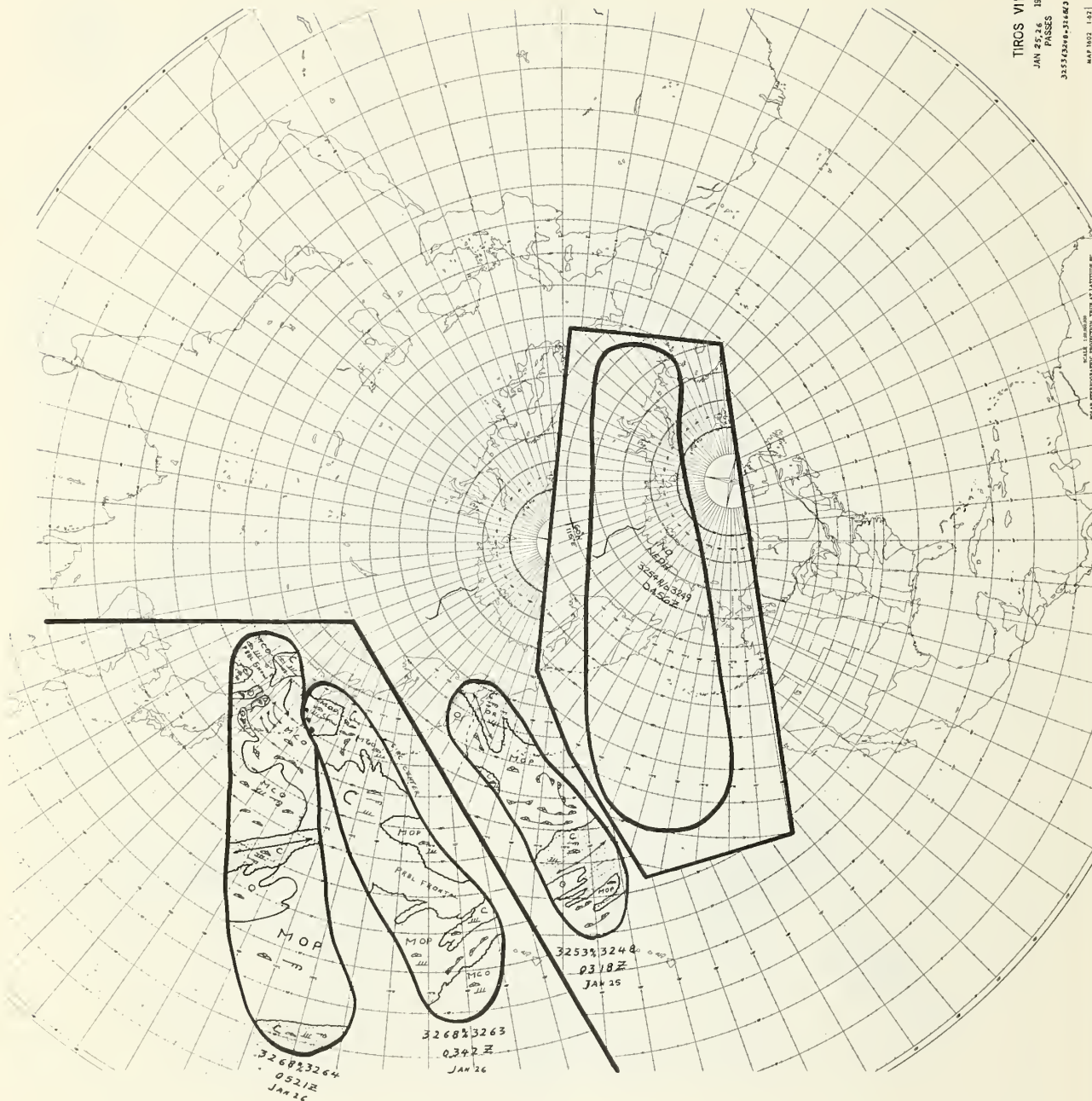
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 JAN 21, 22, 23, 1964
 PASSES
 3:17 0-0-3:10/11.0
 MAY 1957 1:21



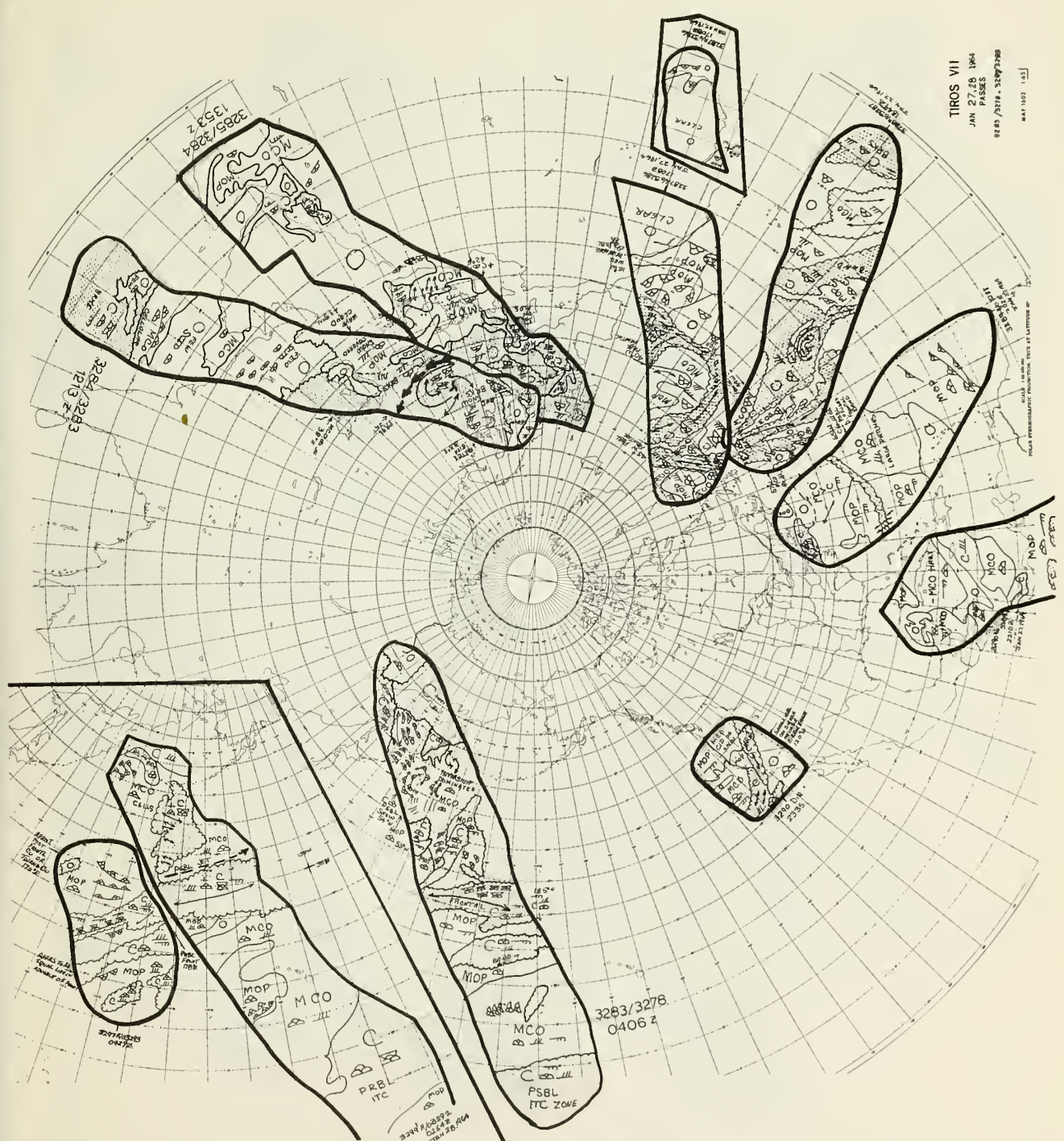
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 PASSES
 32533264-3263164

MAP 1602 127

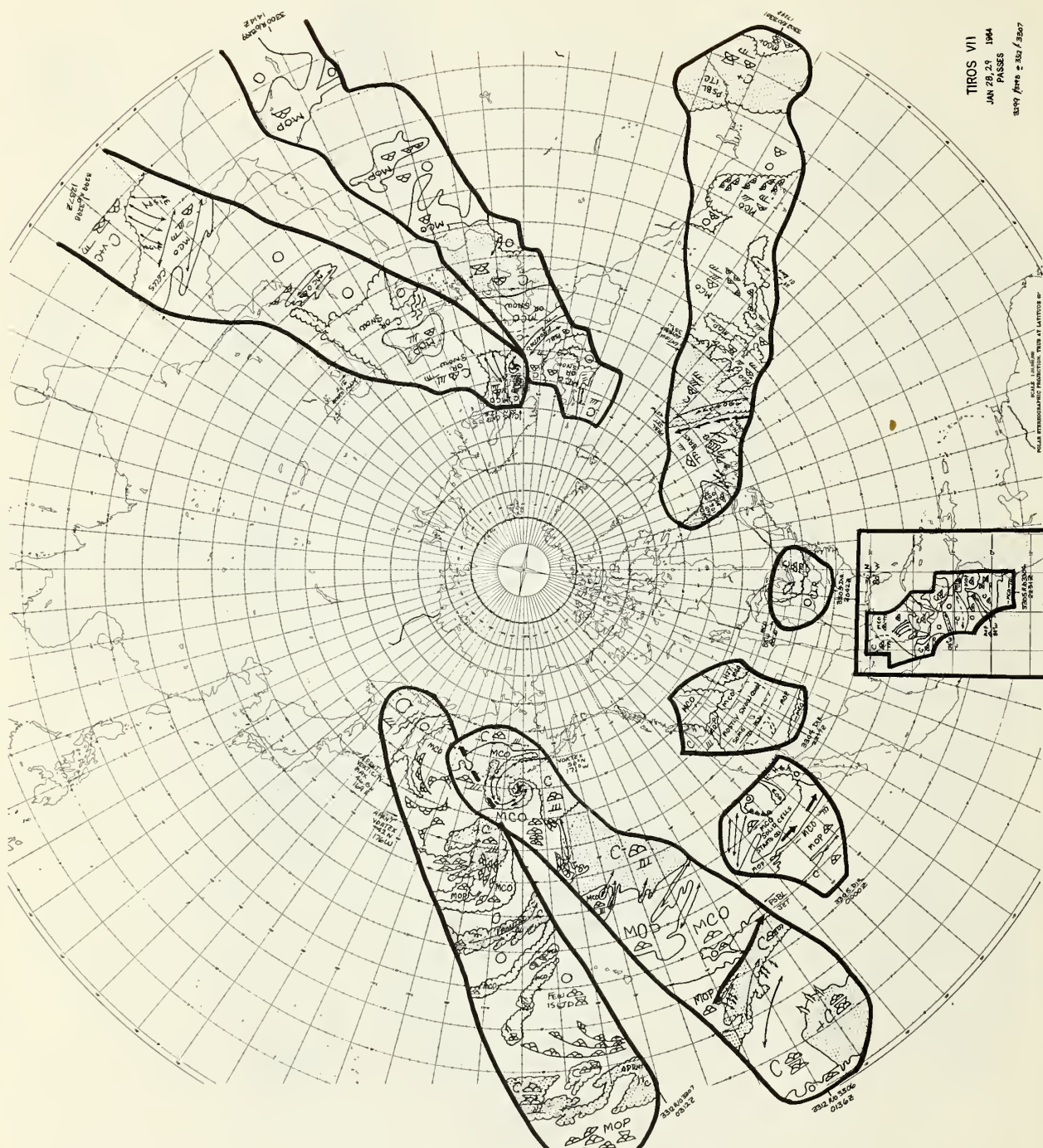
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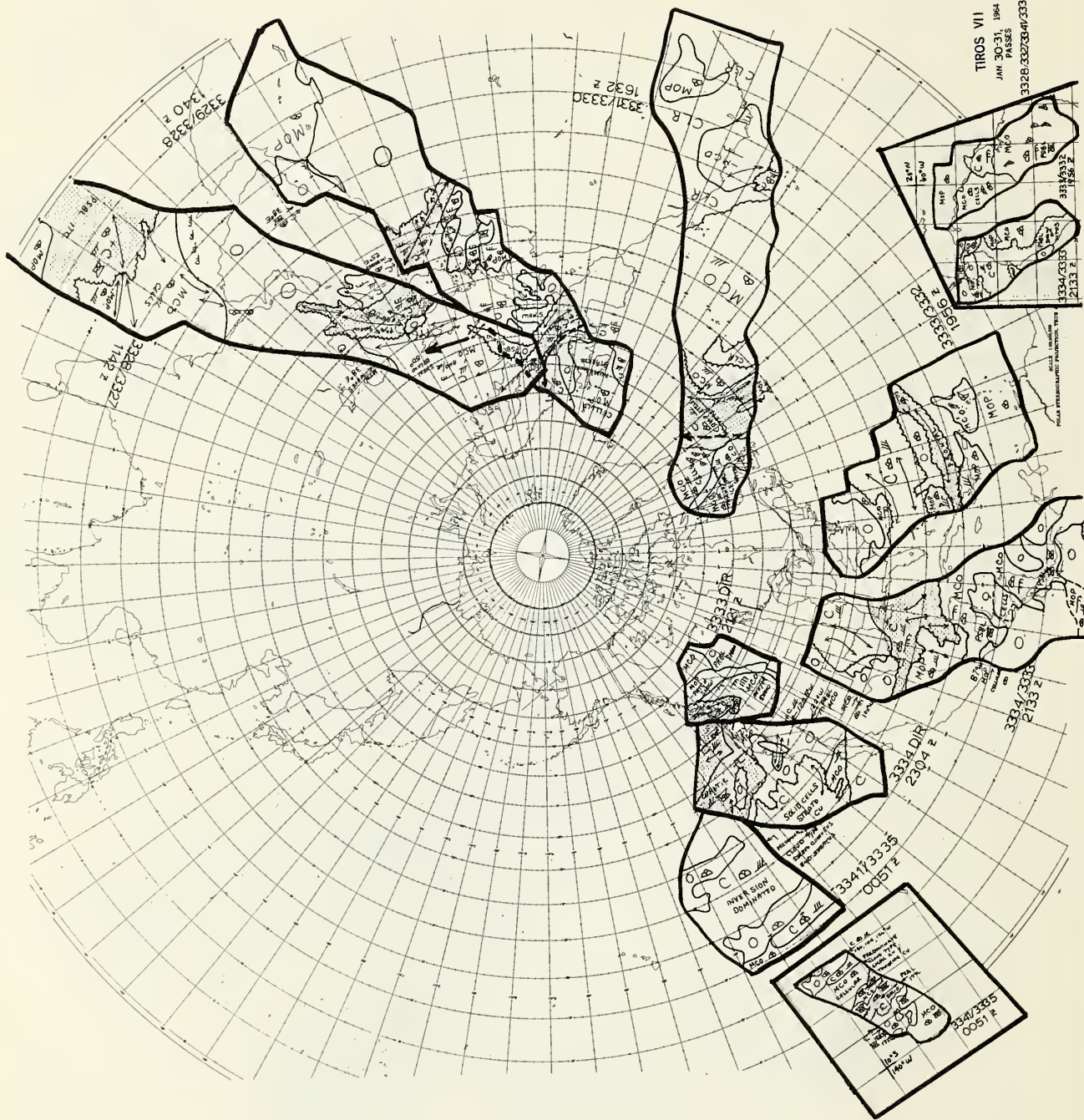


TIROS VII
 JAN 27 28 1964
 PACS 28
 0000 / 0100 - 3100 / 0000
 MAY 1963



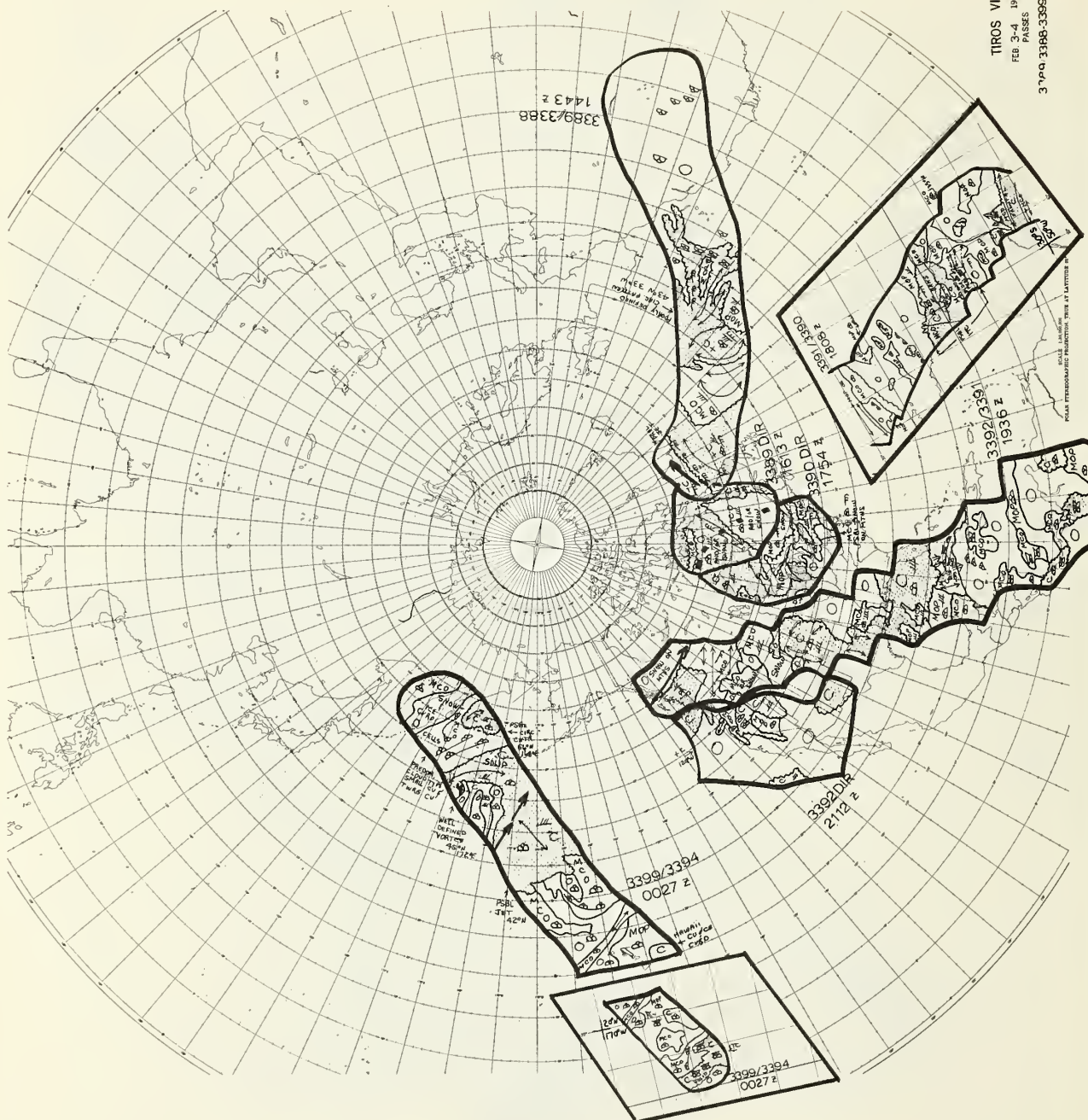
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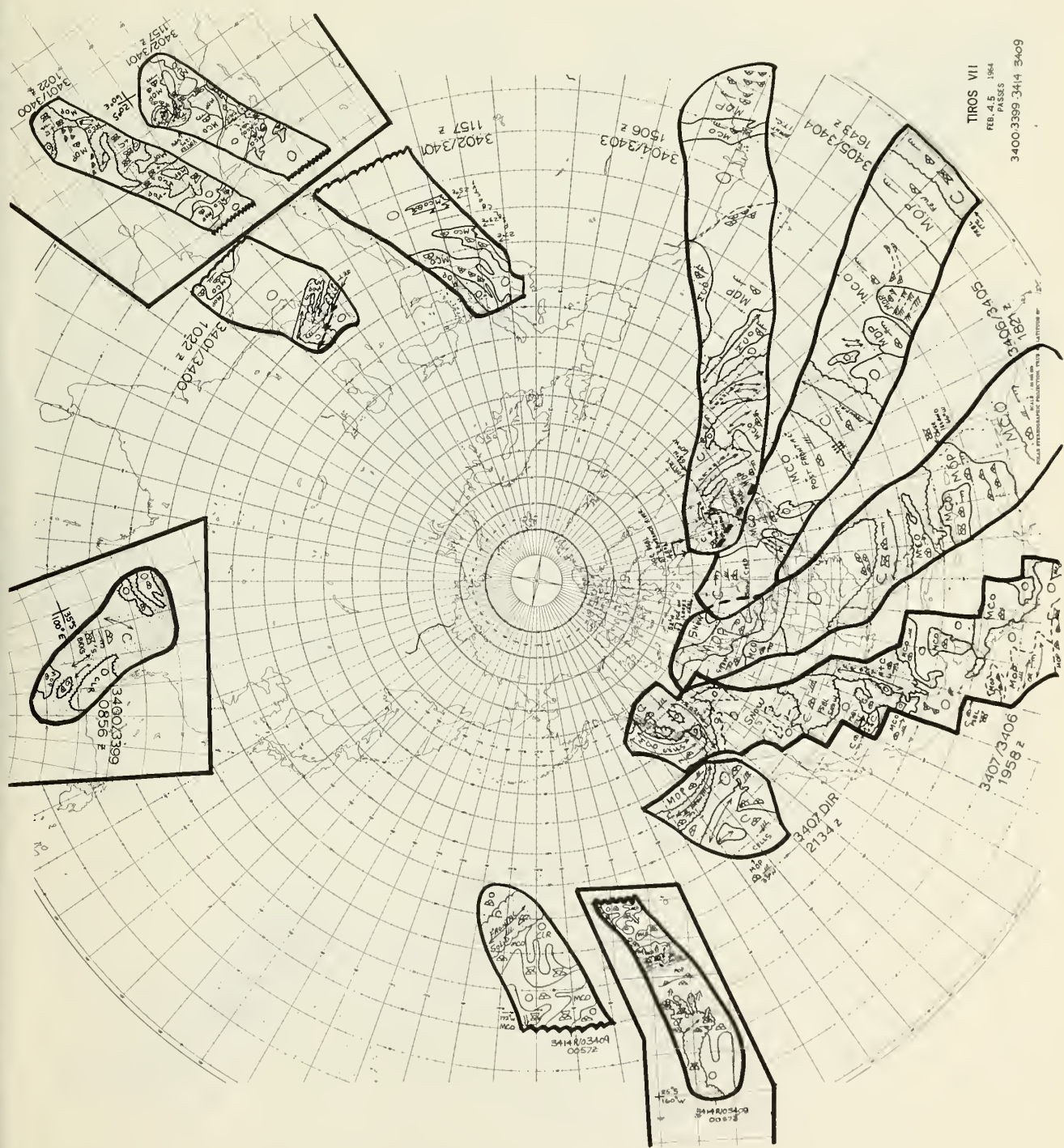


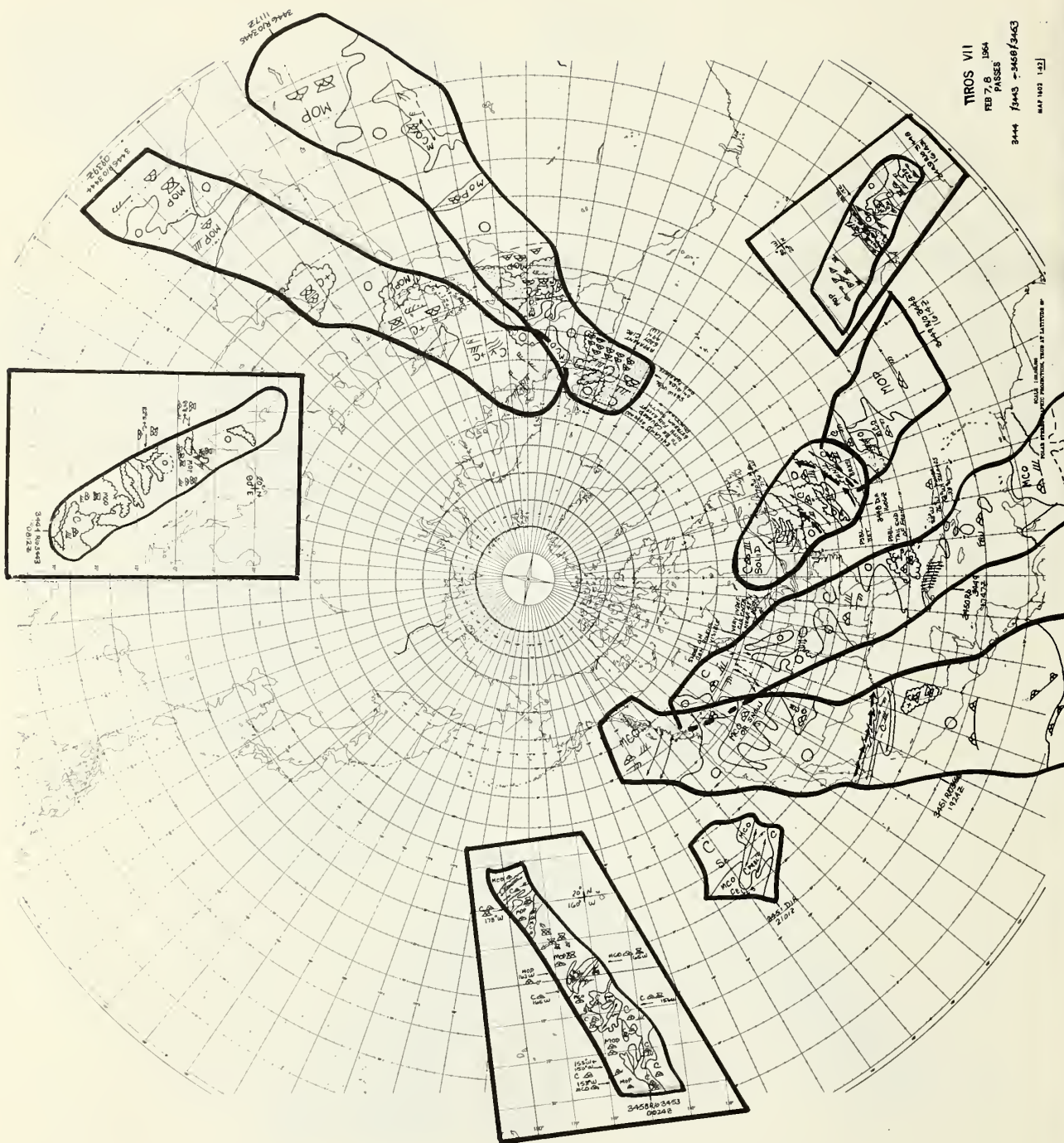
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JAN 30-31, 1964
PASSES
3328-3330/3335

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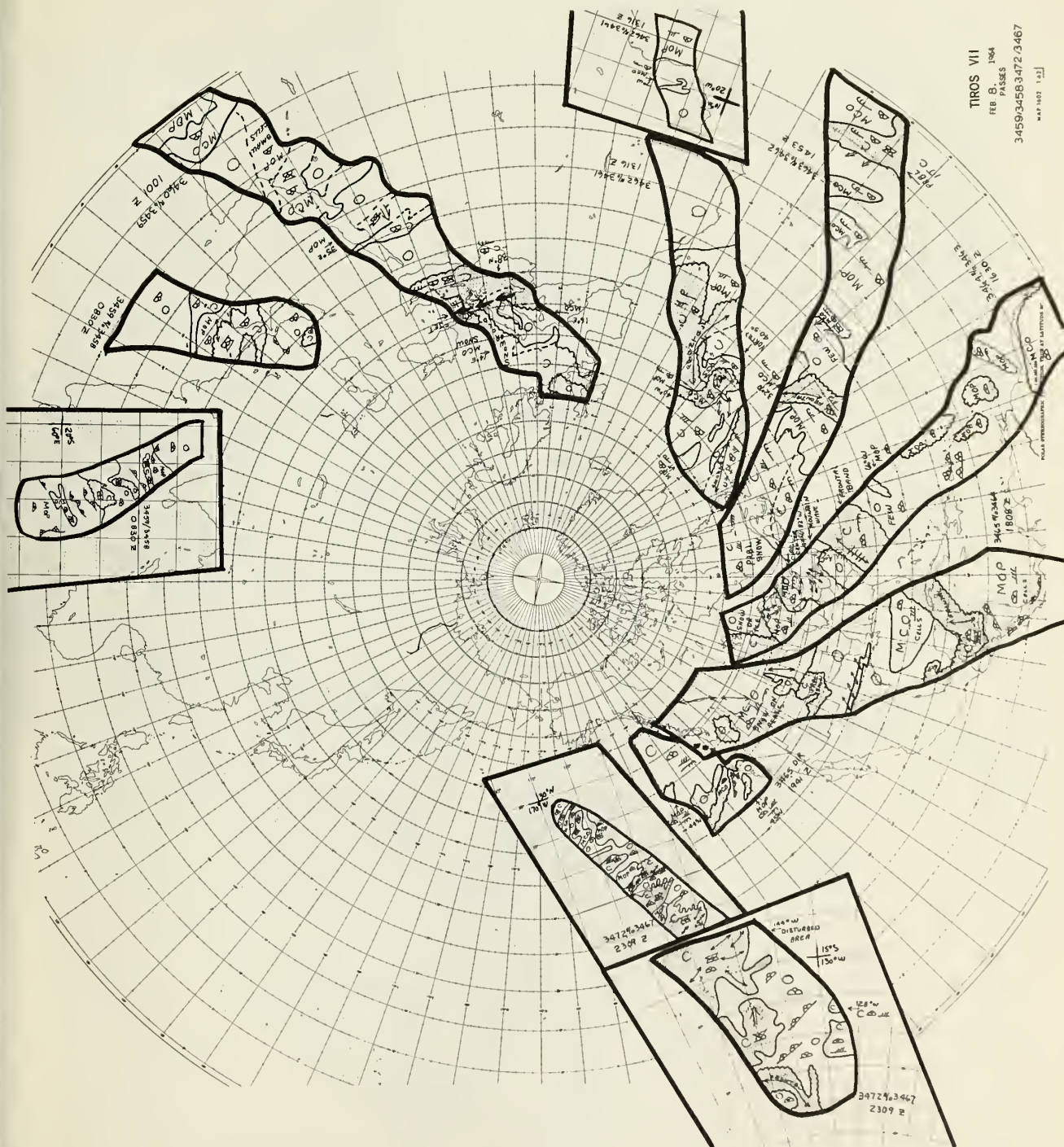


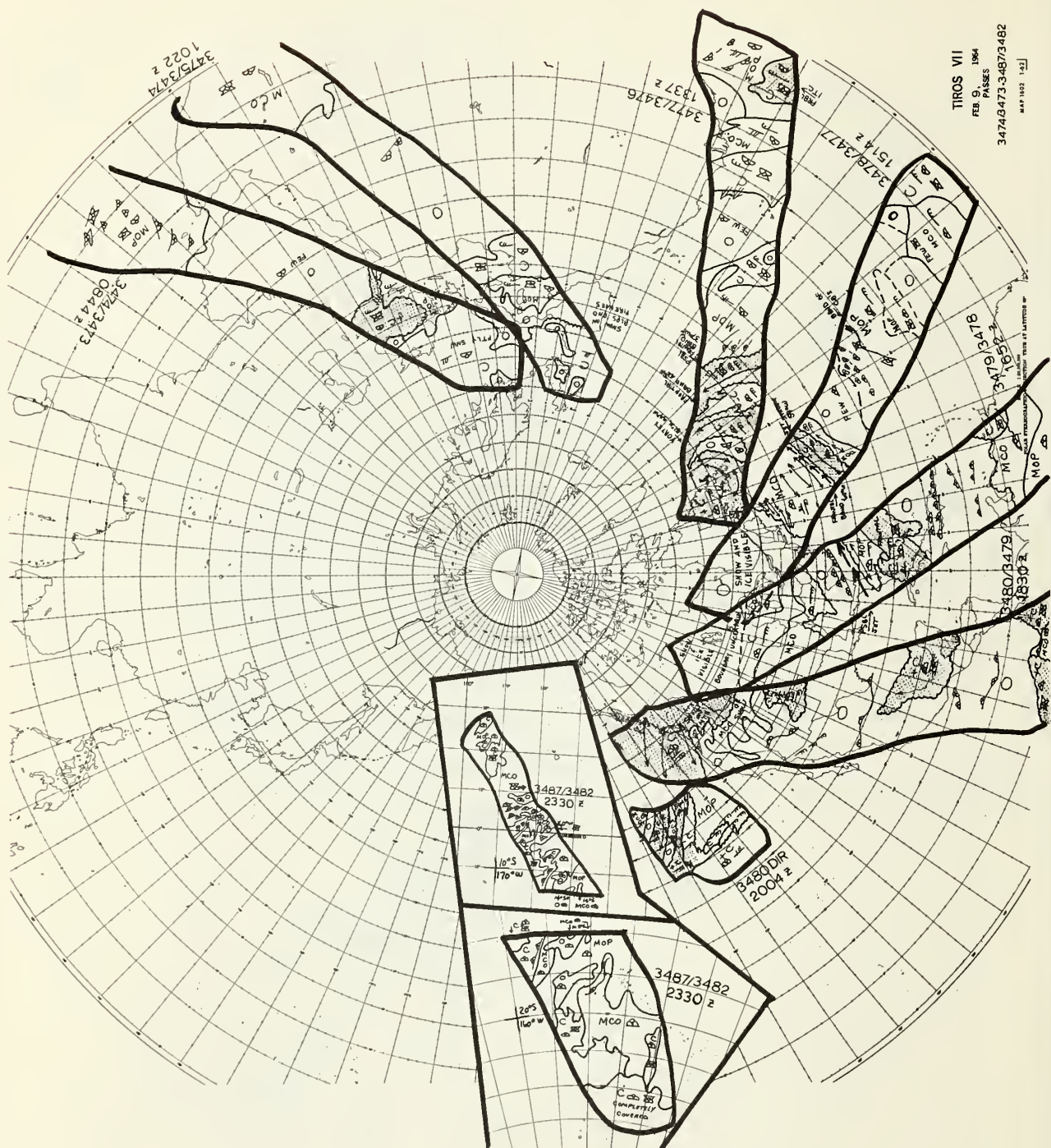
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 FEB. 4.5 1964
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TIROS VII
FEB. 8. 1964
PASSES

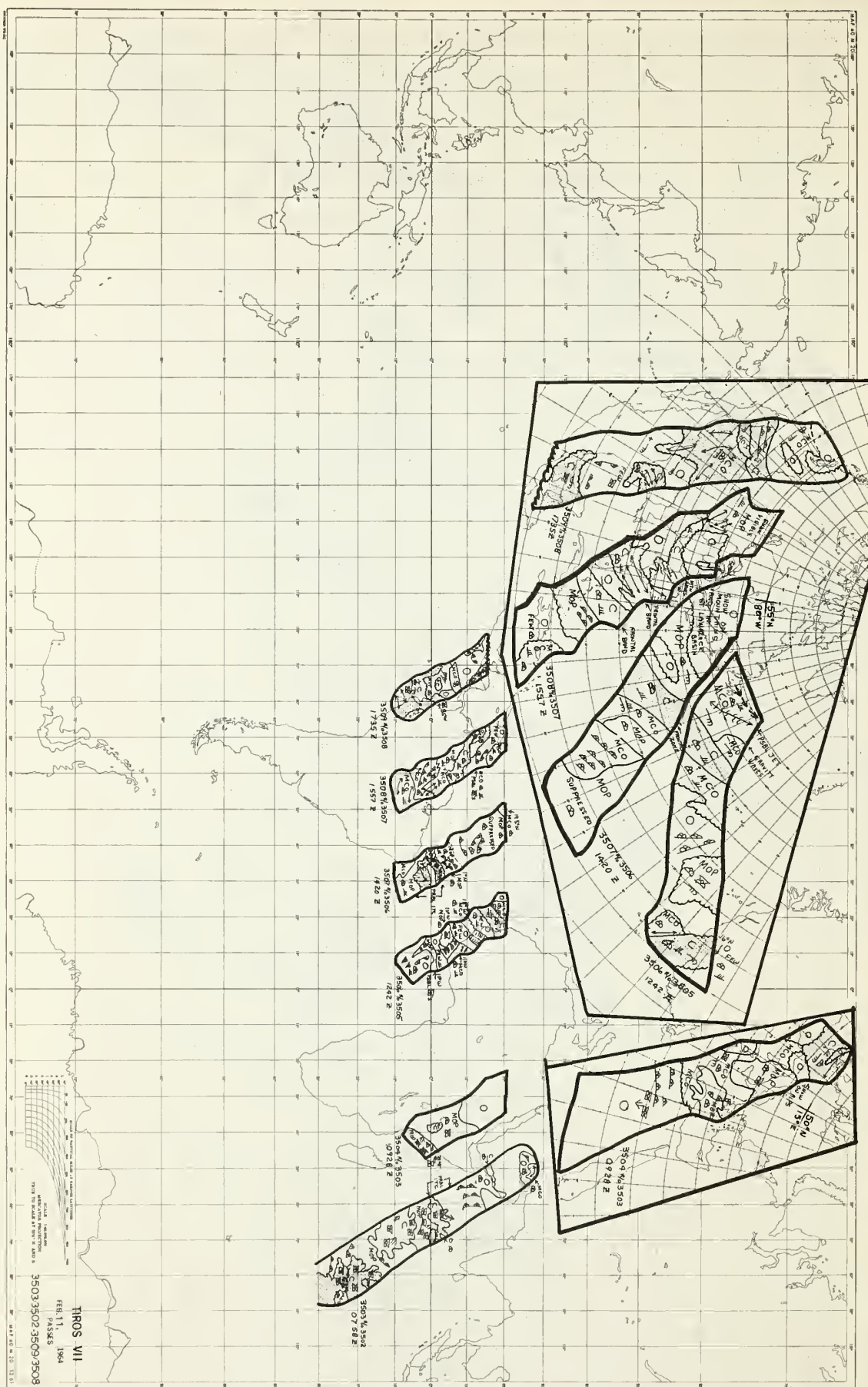


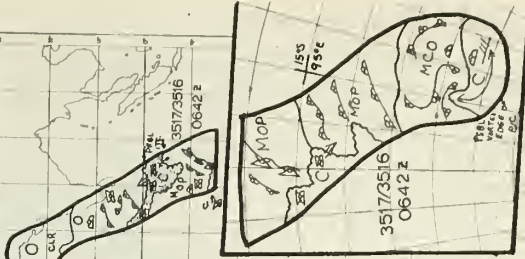
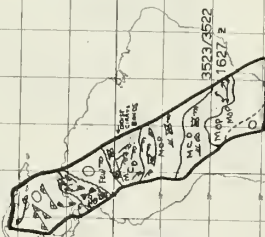
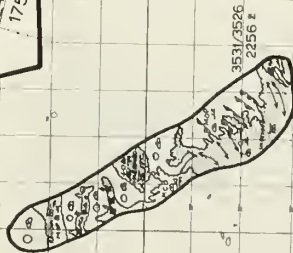
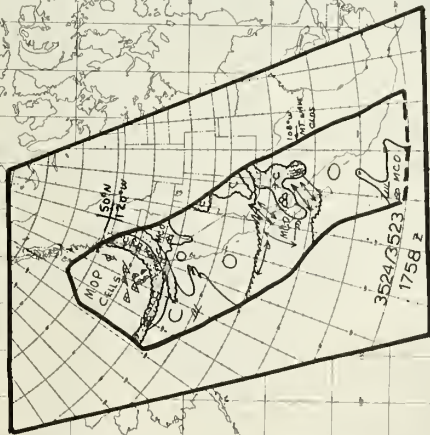
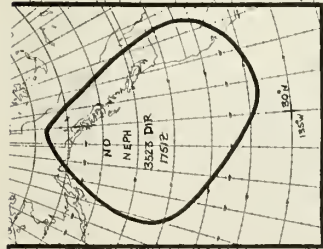


TIROS VII
 FEB 9, 1964
 PASSES
 3474/3473-3487/3482
 MAP 1022 1:50



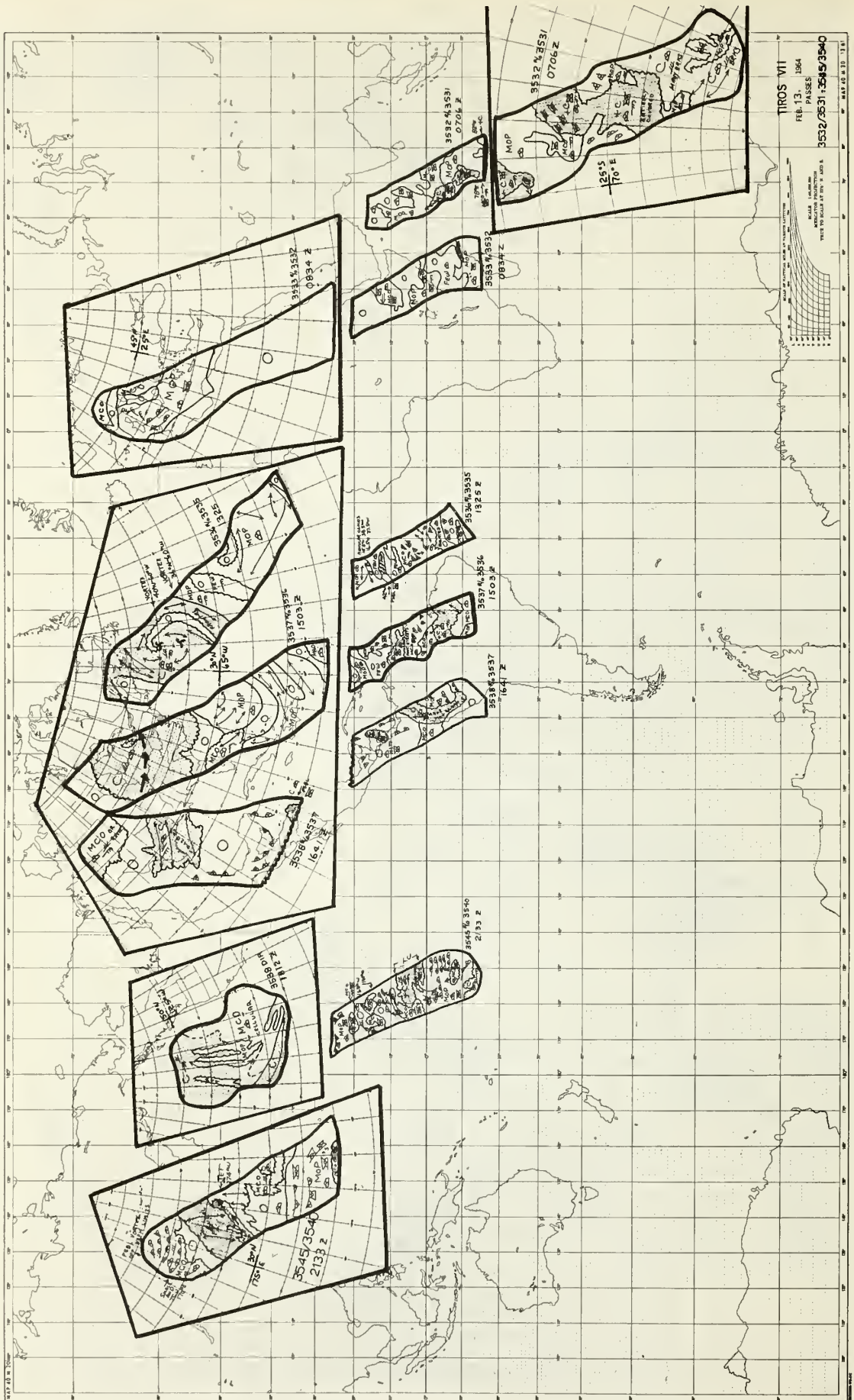
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PASSES
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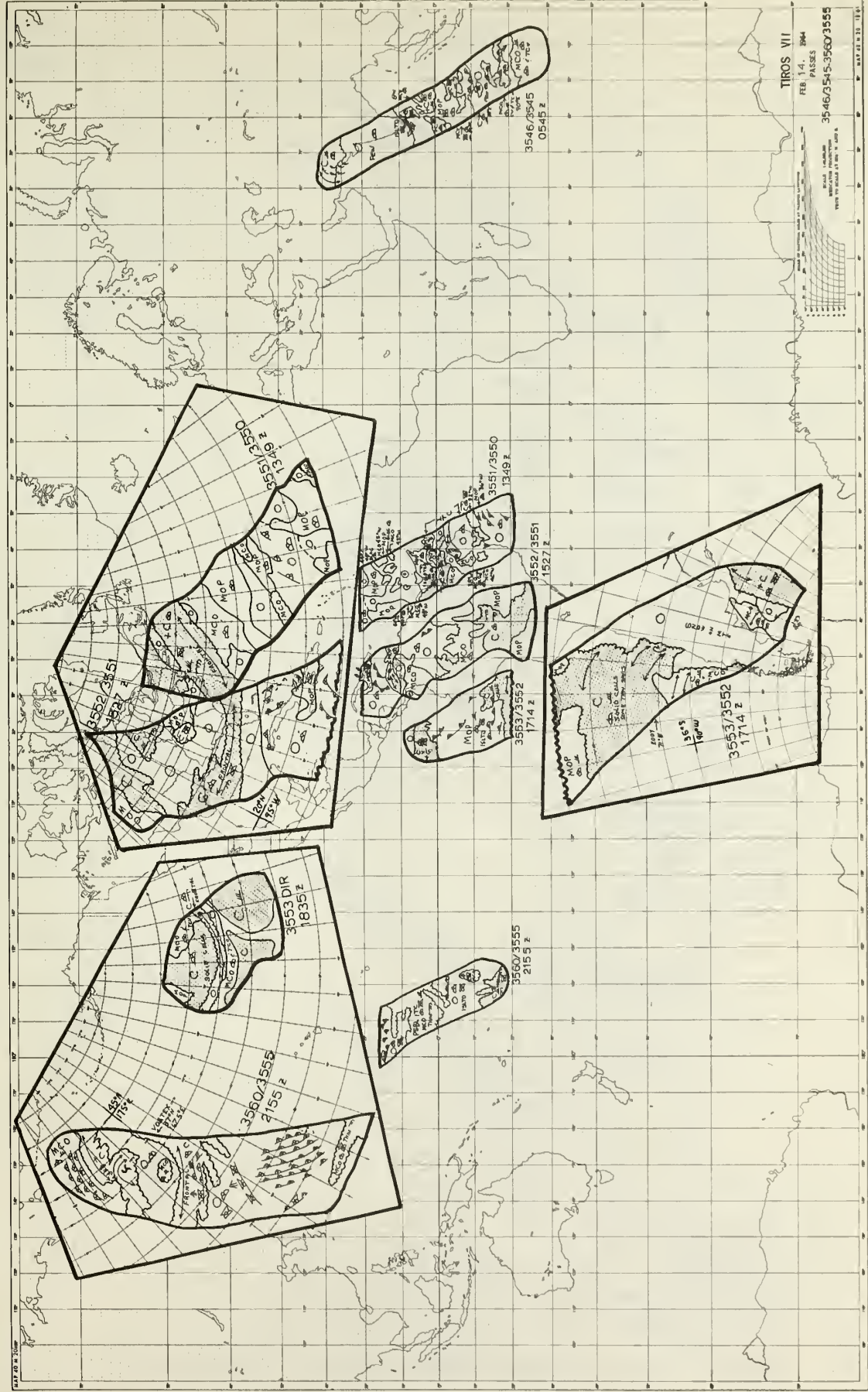




TIROS VII
FEB 12 1964
PASSAGE
3517/3516 .3531/3526







TIROS VII
FEB. 14, 1964
PASSES

3546/3545
0545 Z



3552/3551
1537 Z

3553/3552
1714 Z

3559/3551
1527 Z

3551/3550
1349 Z

3546/3545
0545 Z

3560/3555
2155 Z

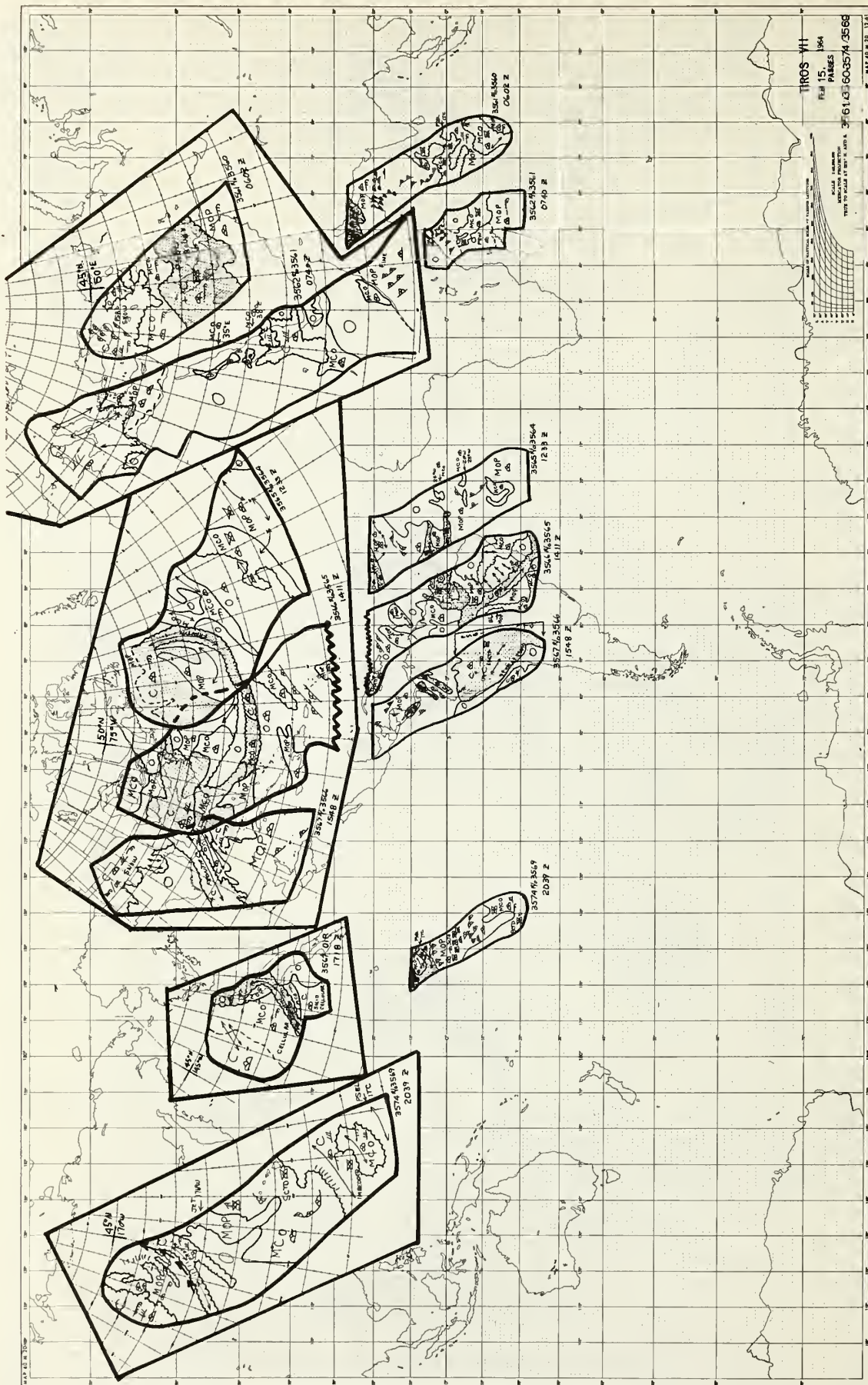
3553/3552
1714 Z

3553 DIR
1835 Z

3552/3551
1537 Z

3553/3552
1714 Z

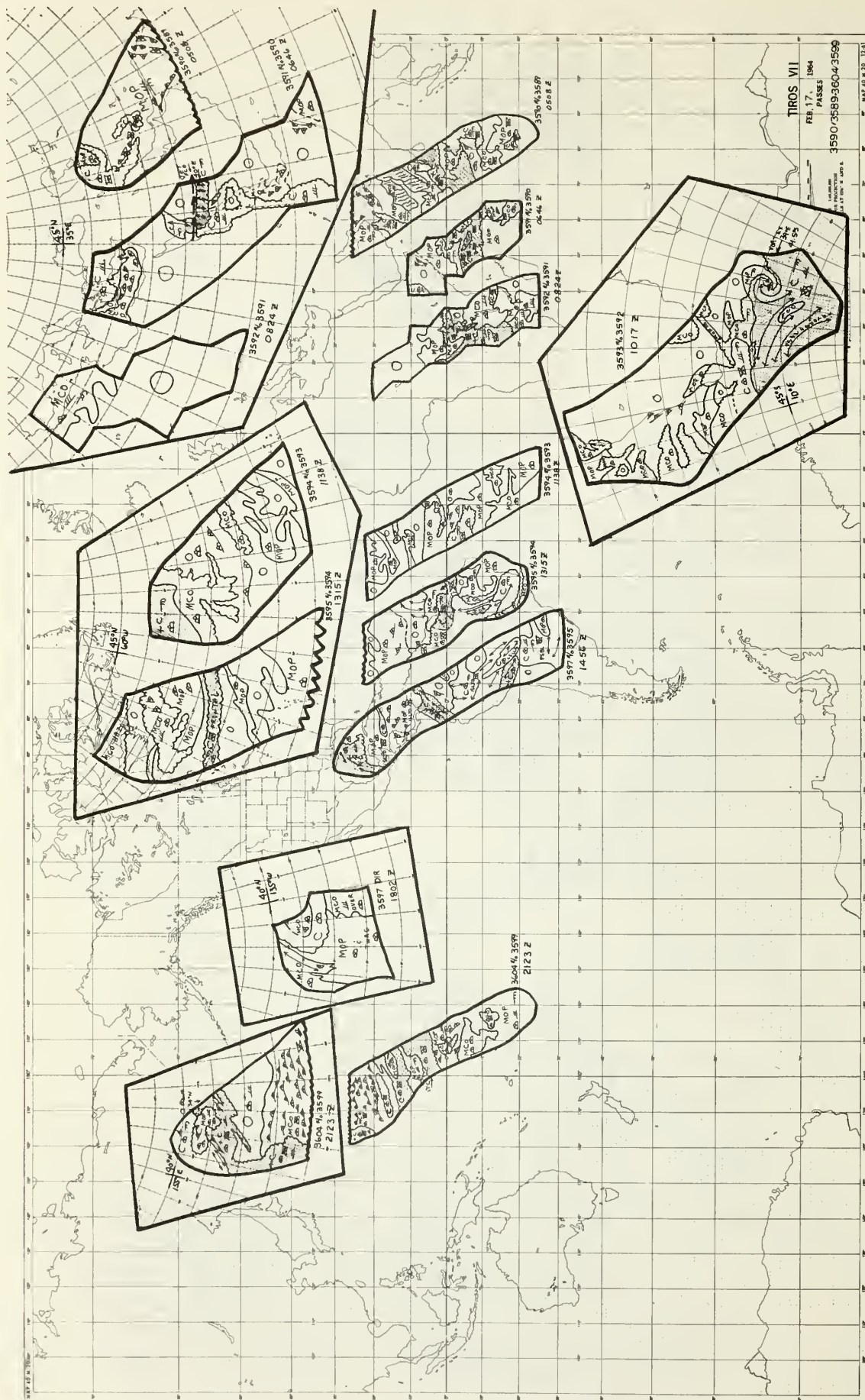
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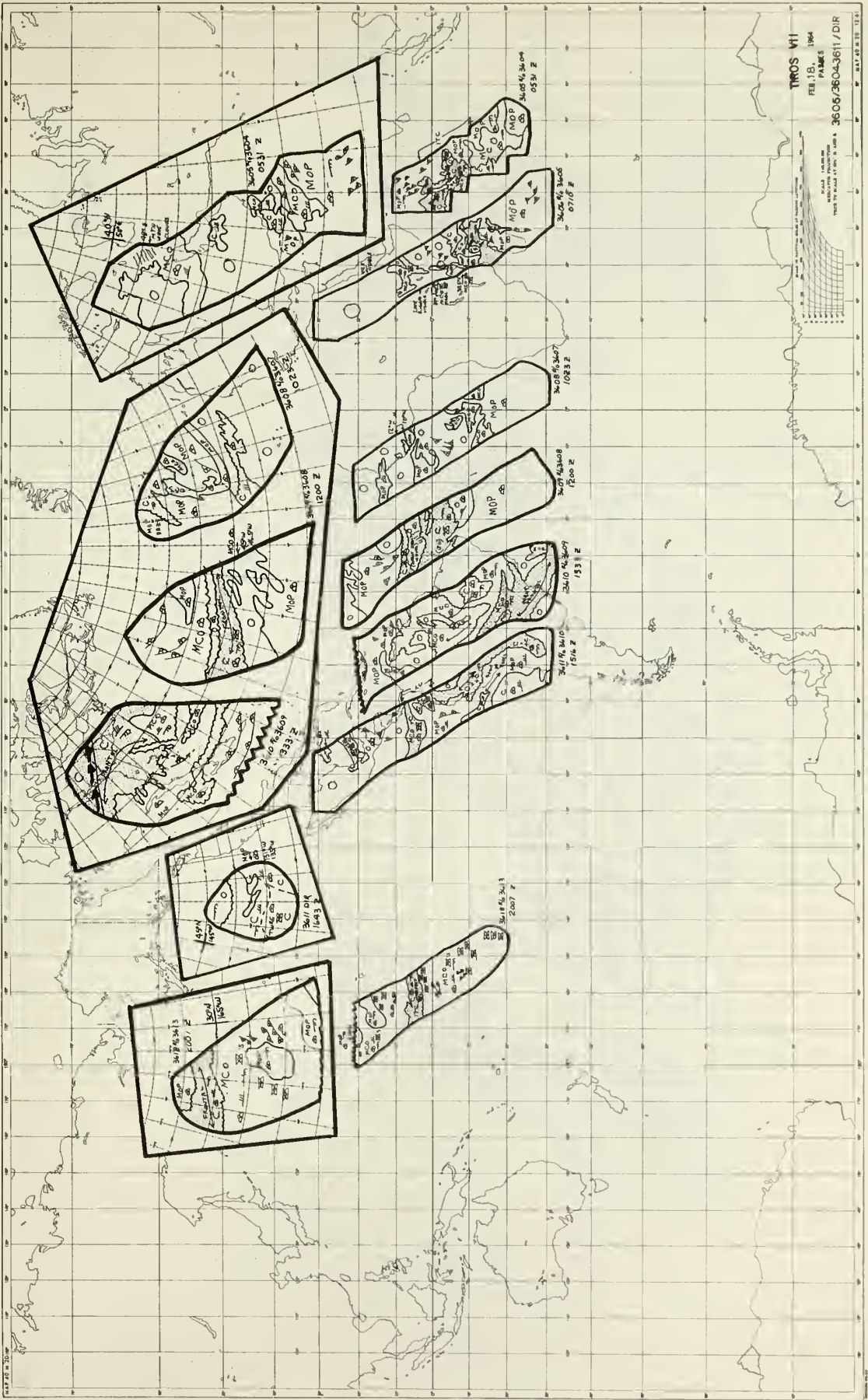




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FEB 16, 1964
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3576/35753589/3584





TIROS VII
FEB. 18, 1964

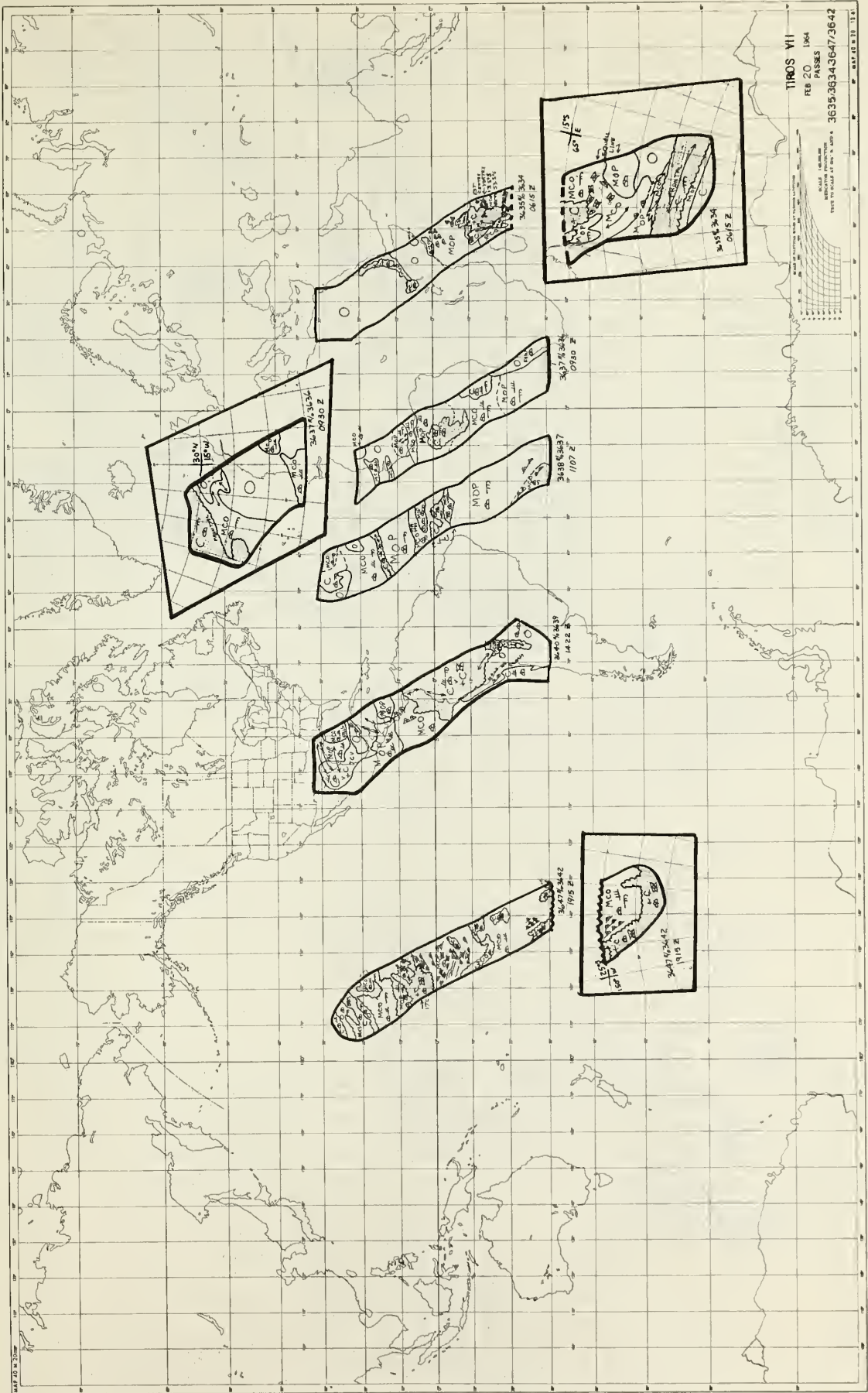
3605/26043611 / DIR





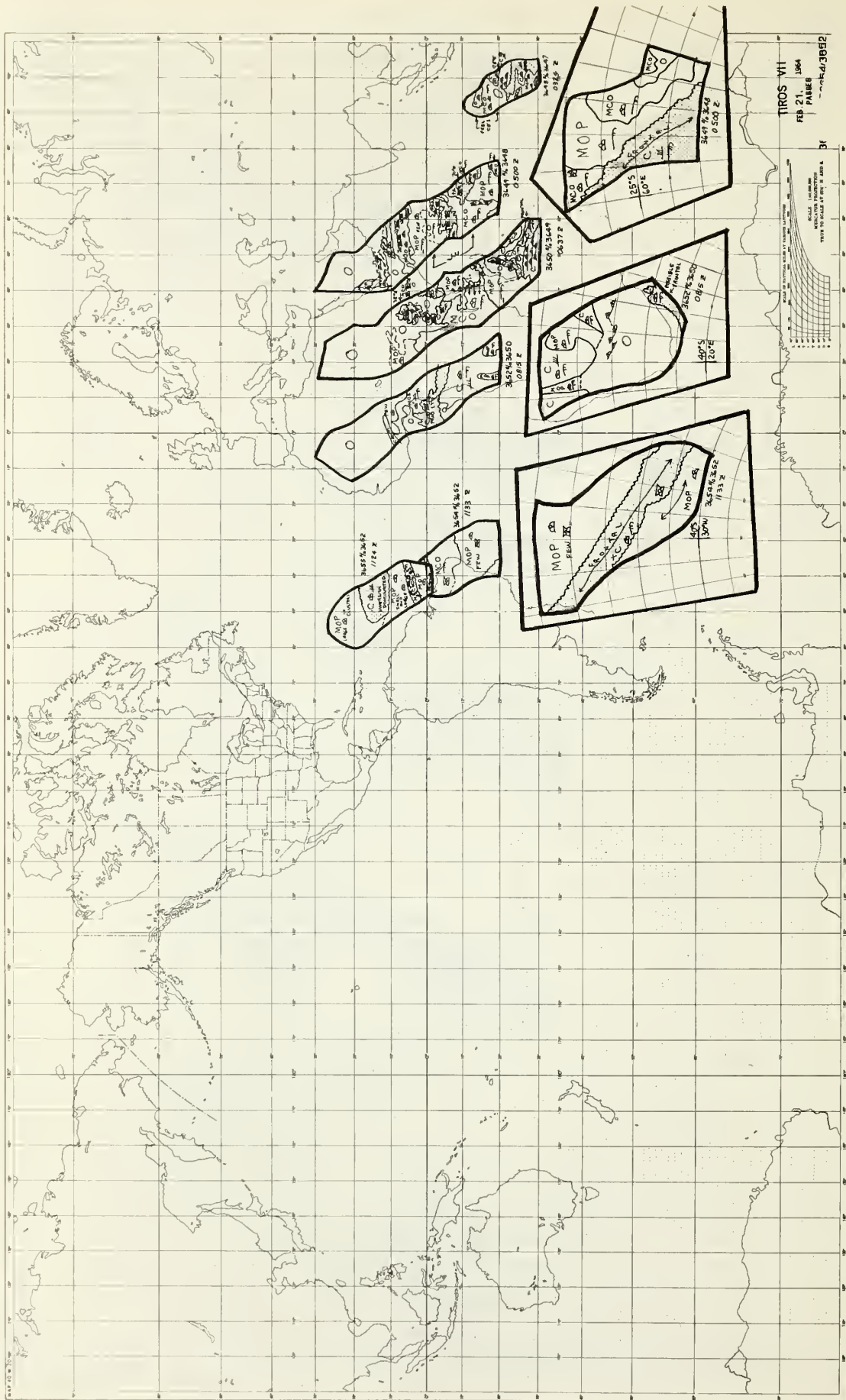
TIROS VII
FEB 10 1964
PAGES
3619/3619 3633/3628





TIROS VII
REB 20 1964
PAGES
3635363436473642

SCALE 1:100,000
INDICATES POSITION
FROM THE CENTER OF THE EARTH



TIROS VII
FEB. 21, 1964

1964	FEB. 21,
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PAGE 8

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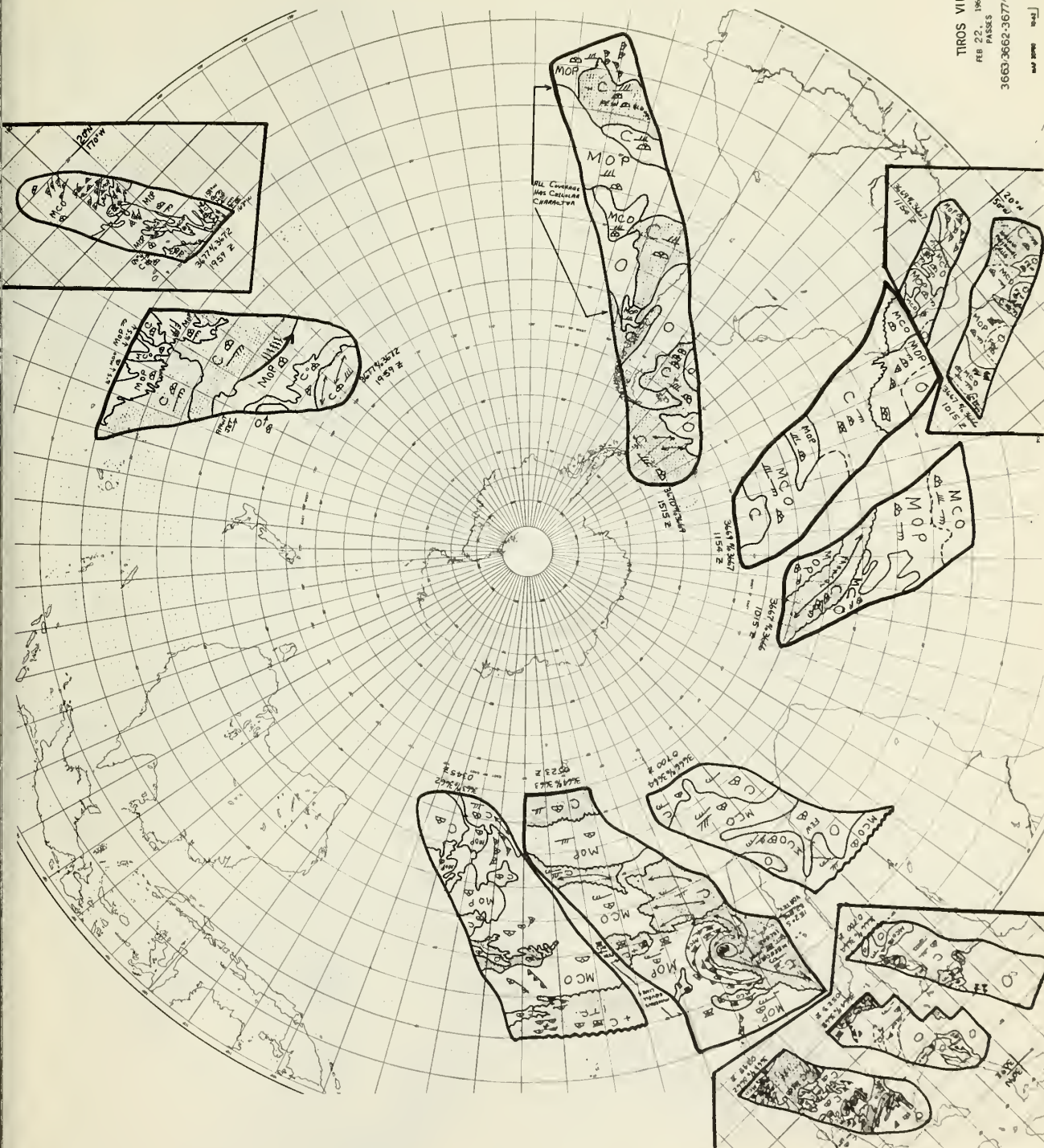
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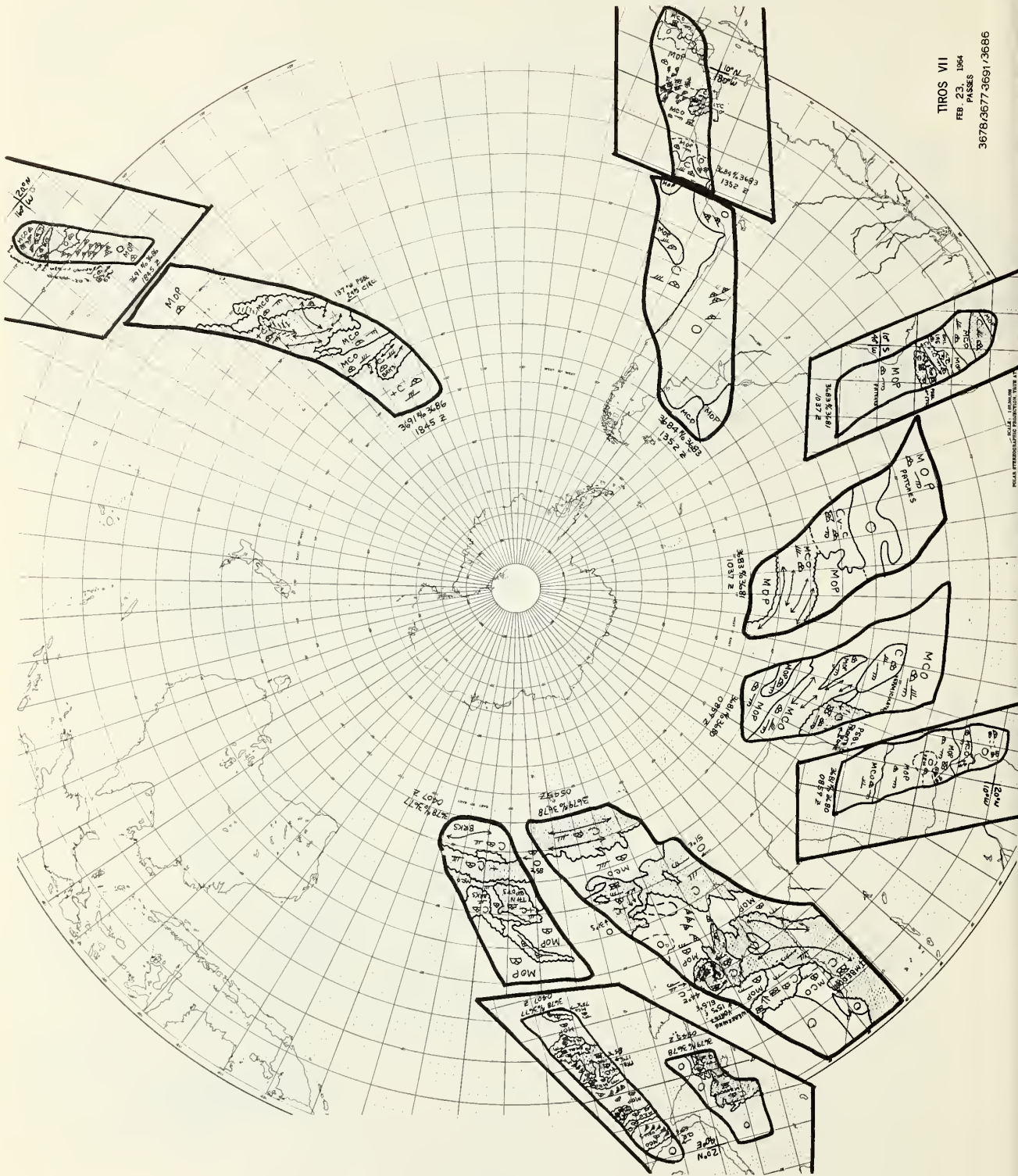
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TIROS VII
FEB. 23, 1964
PAGES

3678/3677 3691/3686

TIROS VII
 FEB 24, 1964
 PASSES
 3690/3691 3706/3701

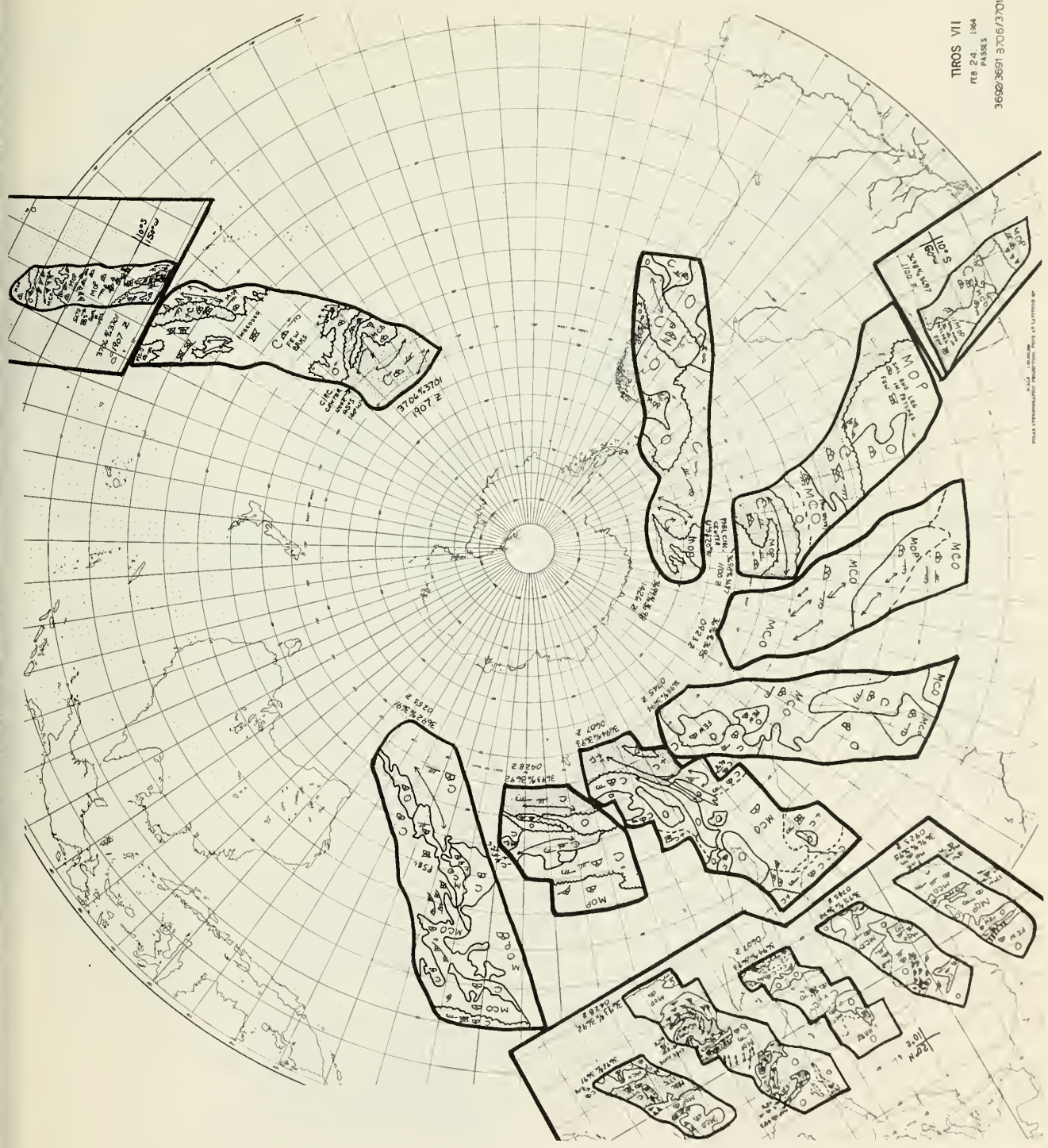
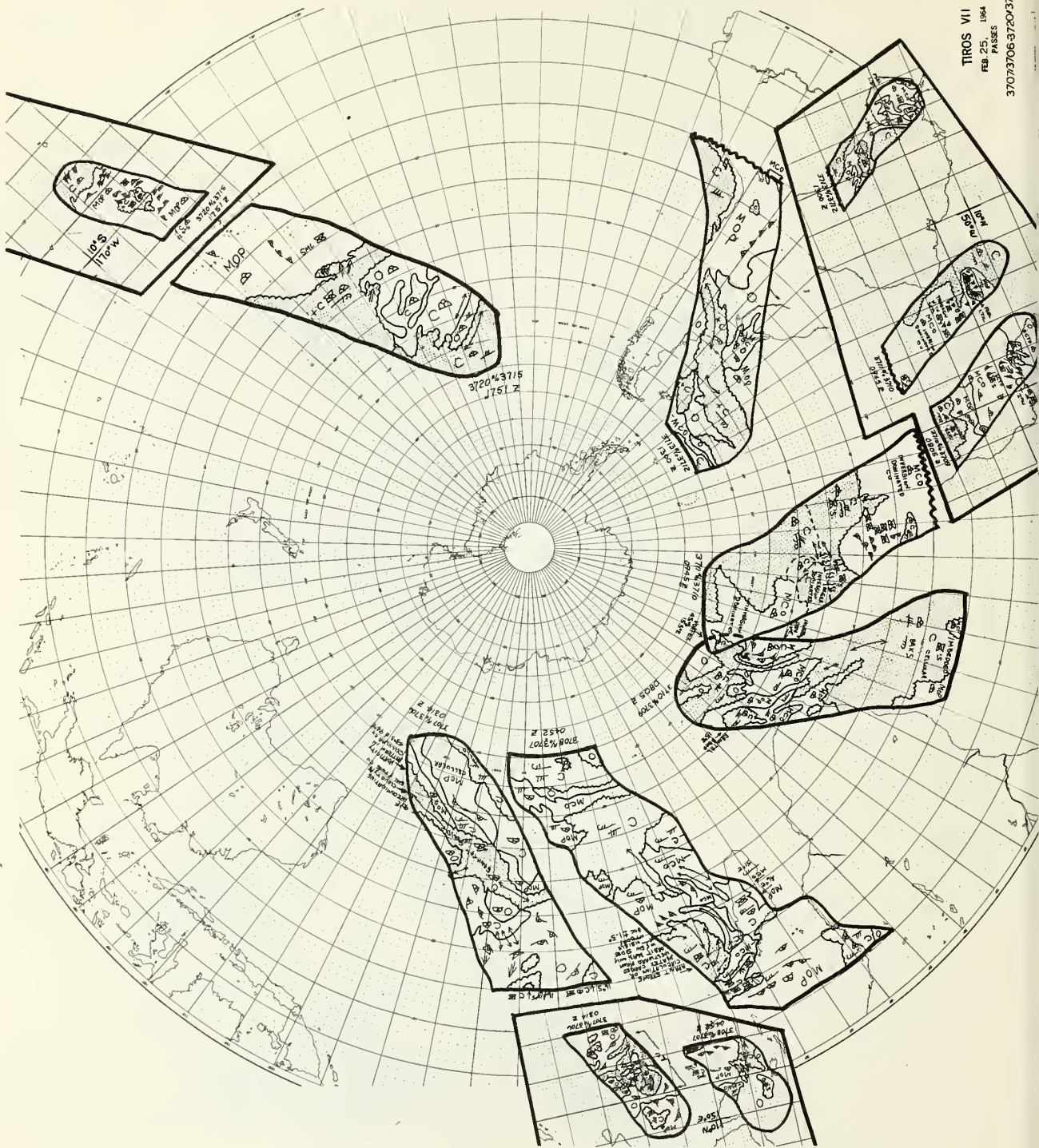


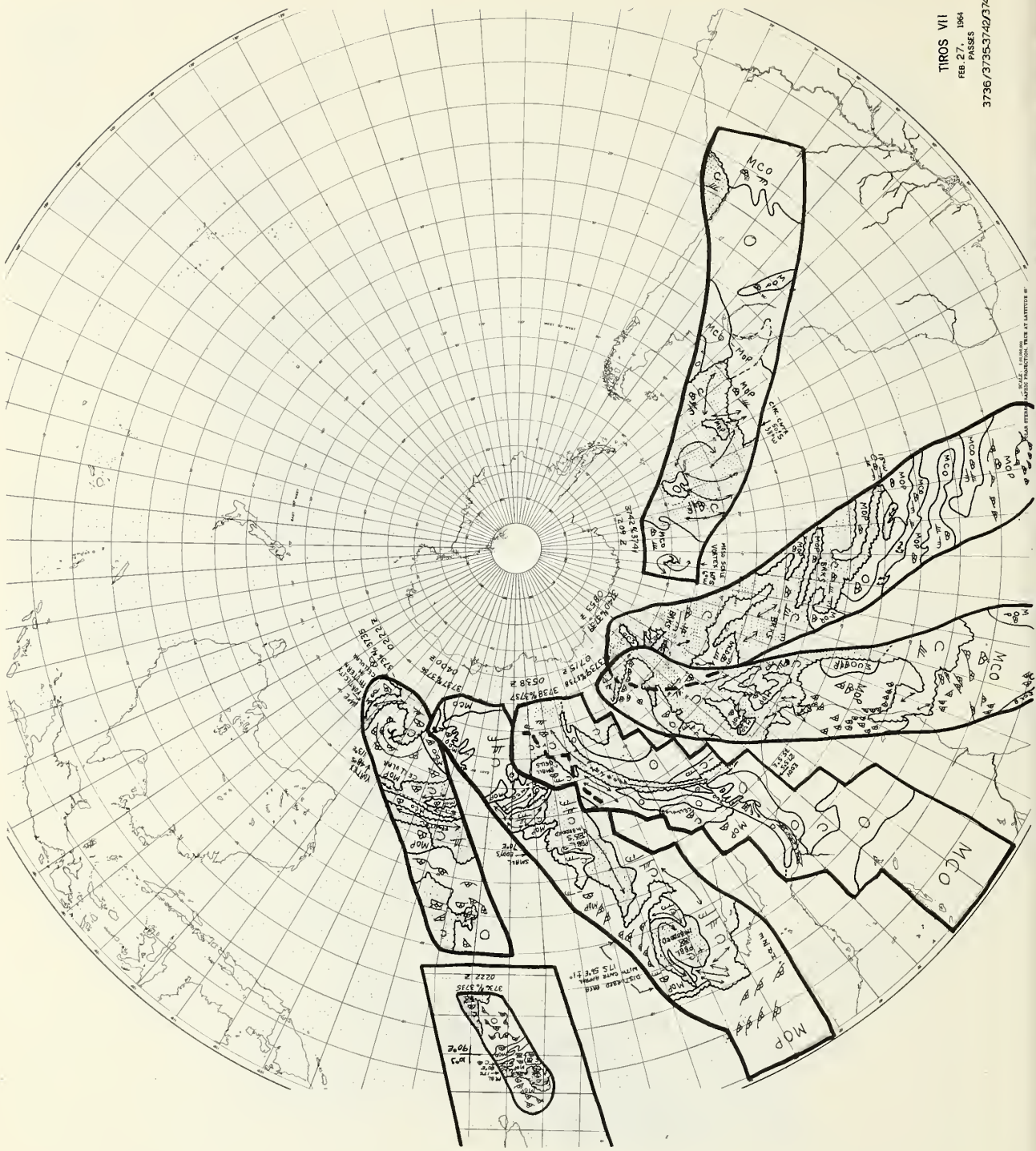
PHOTO INTERPRETATION CENTER, WASHINGTON, D.C.



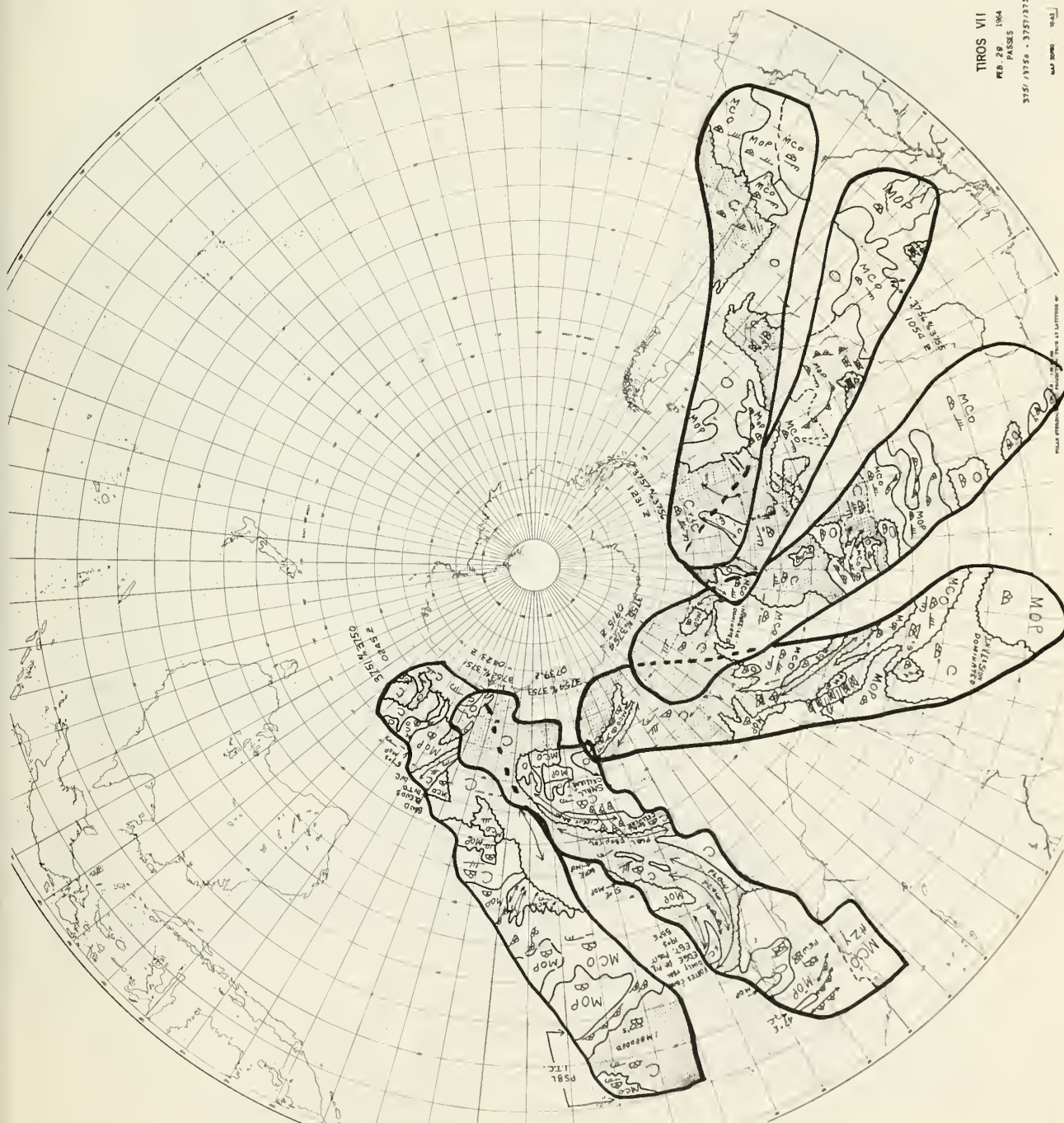
1983



SCALE, 1:50,000,000
 TRUE PROJECTION TRUE AT LATITUDE 0°



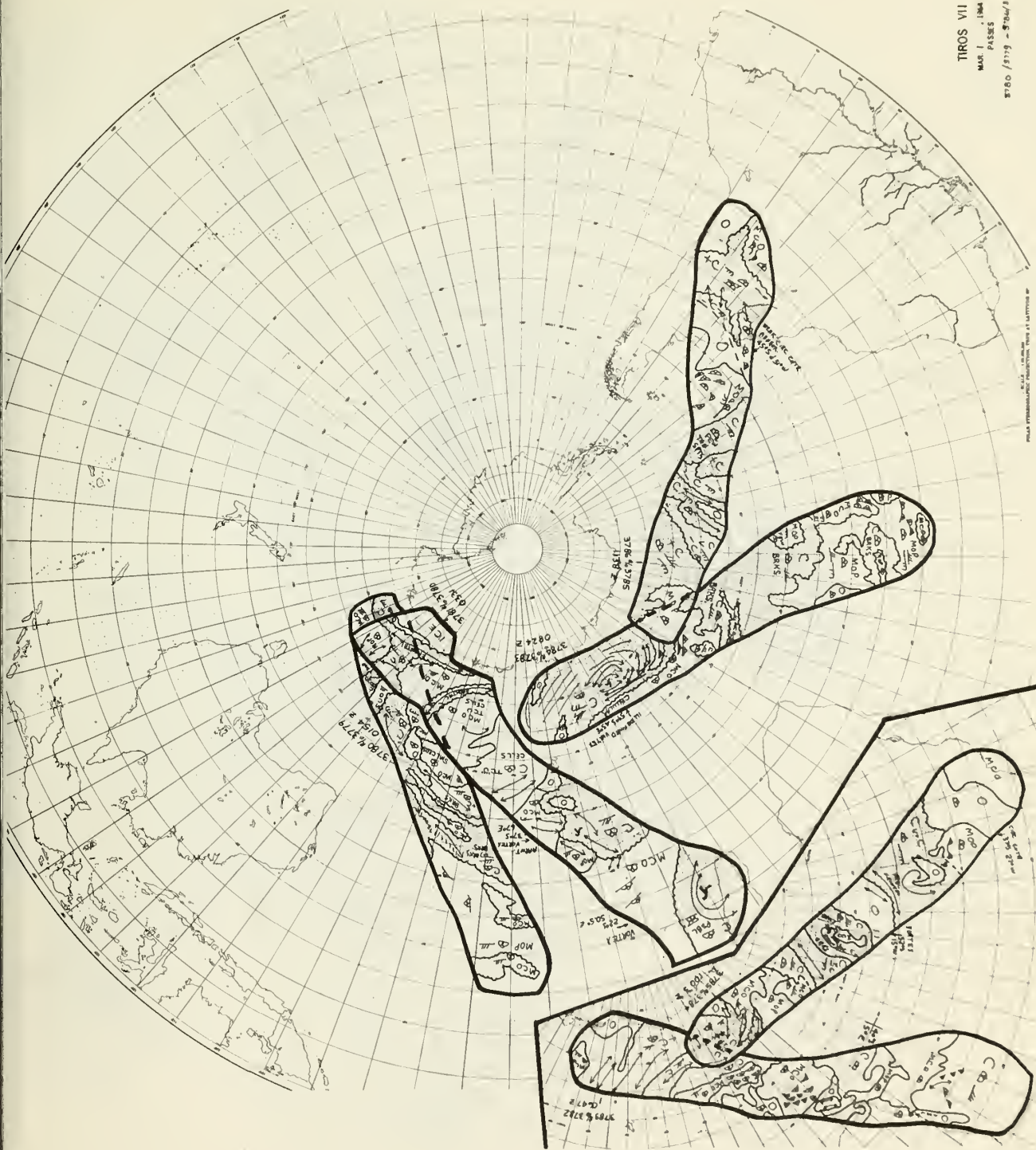
1943



TIROS VII
MAR 11 1964
PASS 5

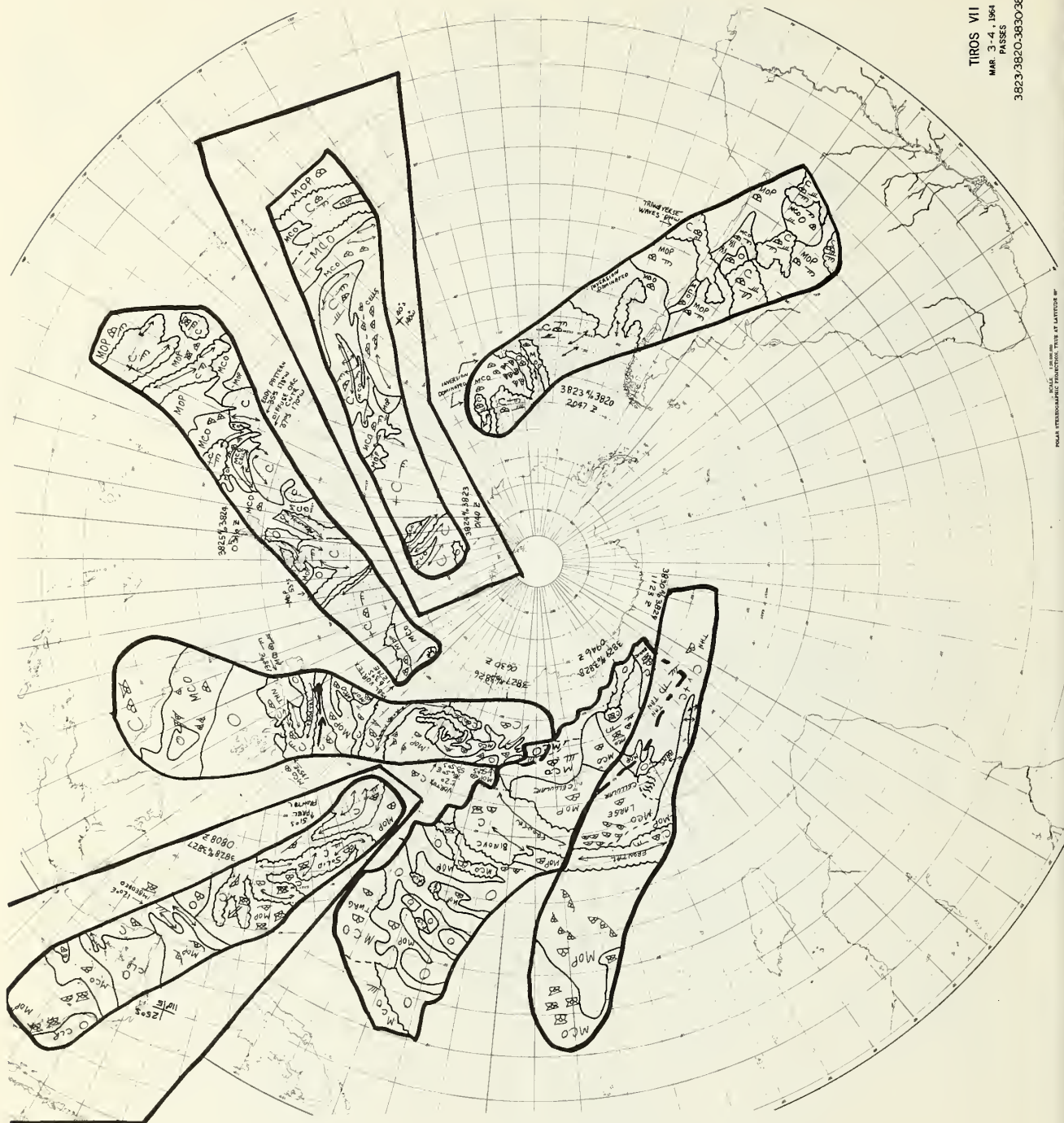
5°50' / 277° - 5°50' / 285°

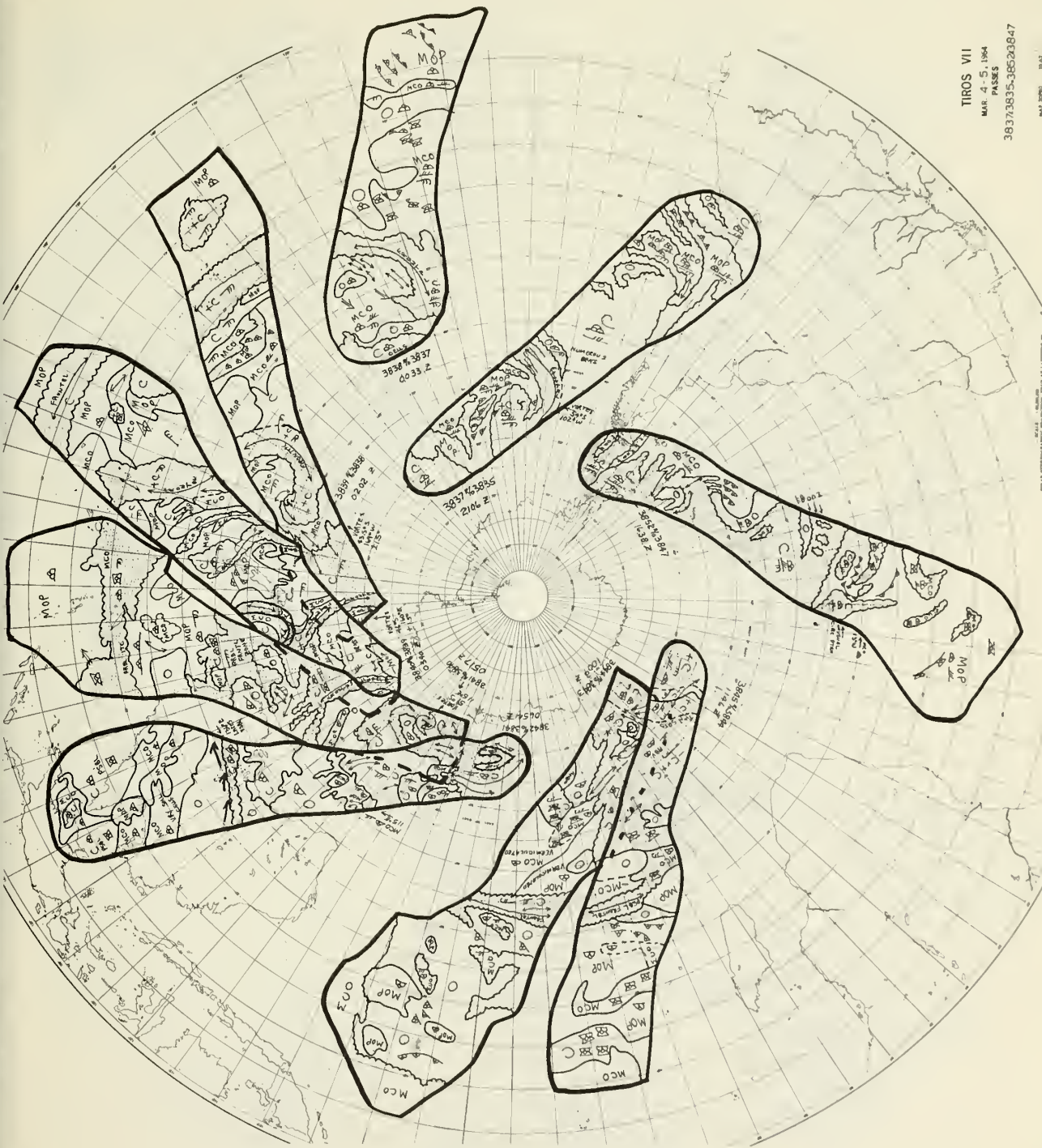
U.S. AIR FORCE PHOTOGRAPHIC RECONNAISSANCE DIVISION





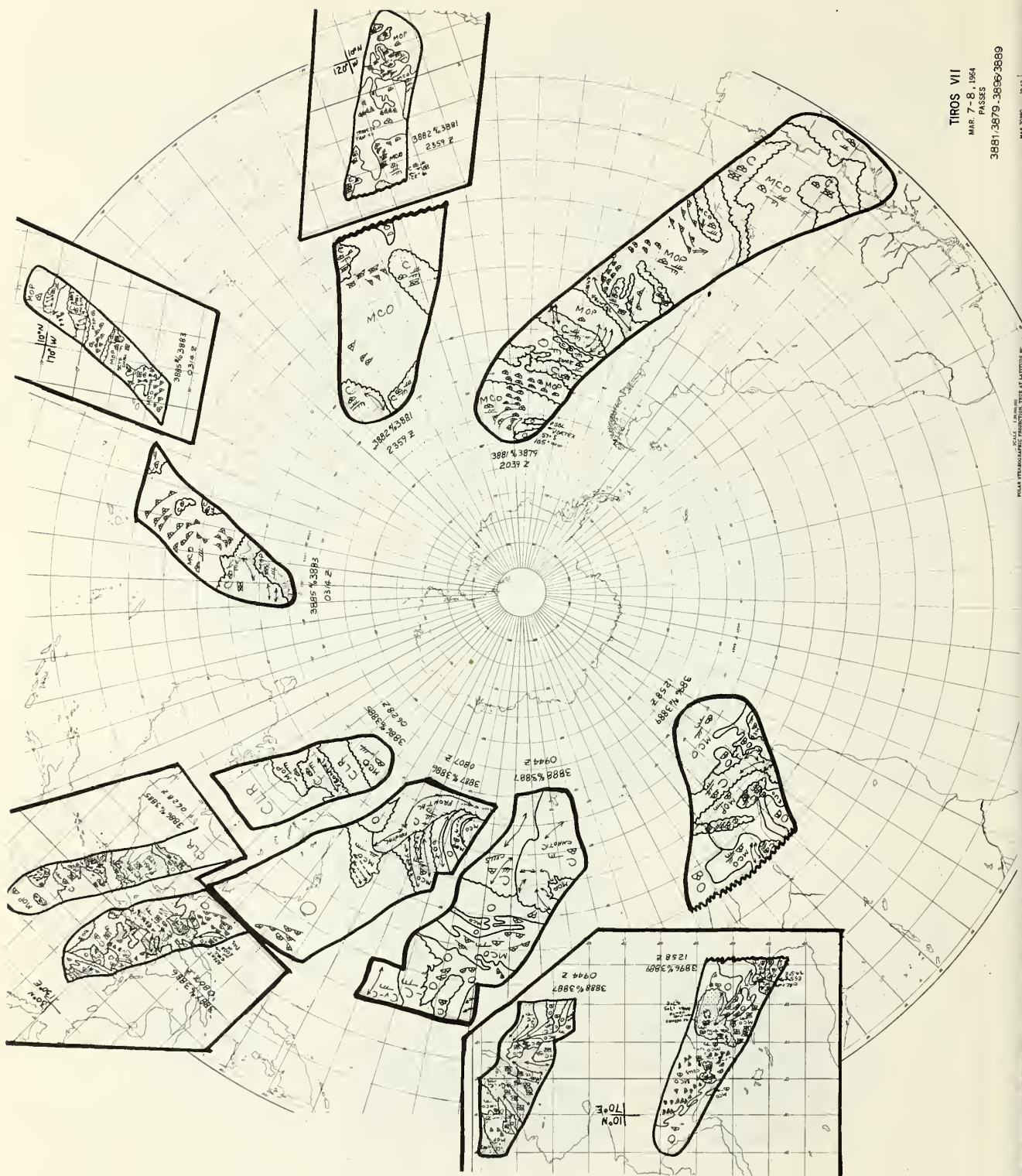
3823/3820-3830/3829





3853/3852-3859/3858

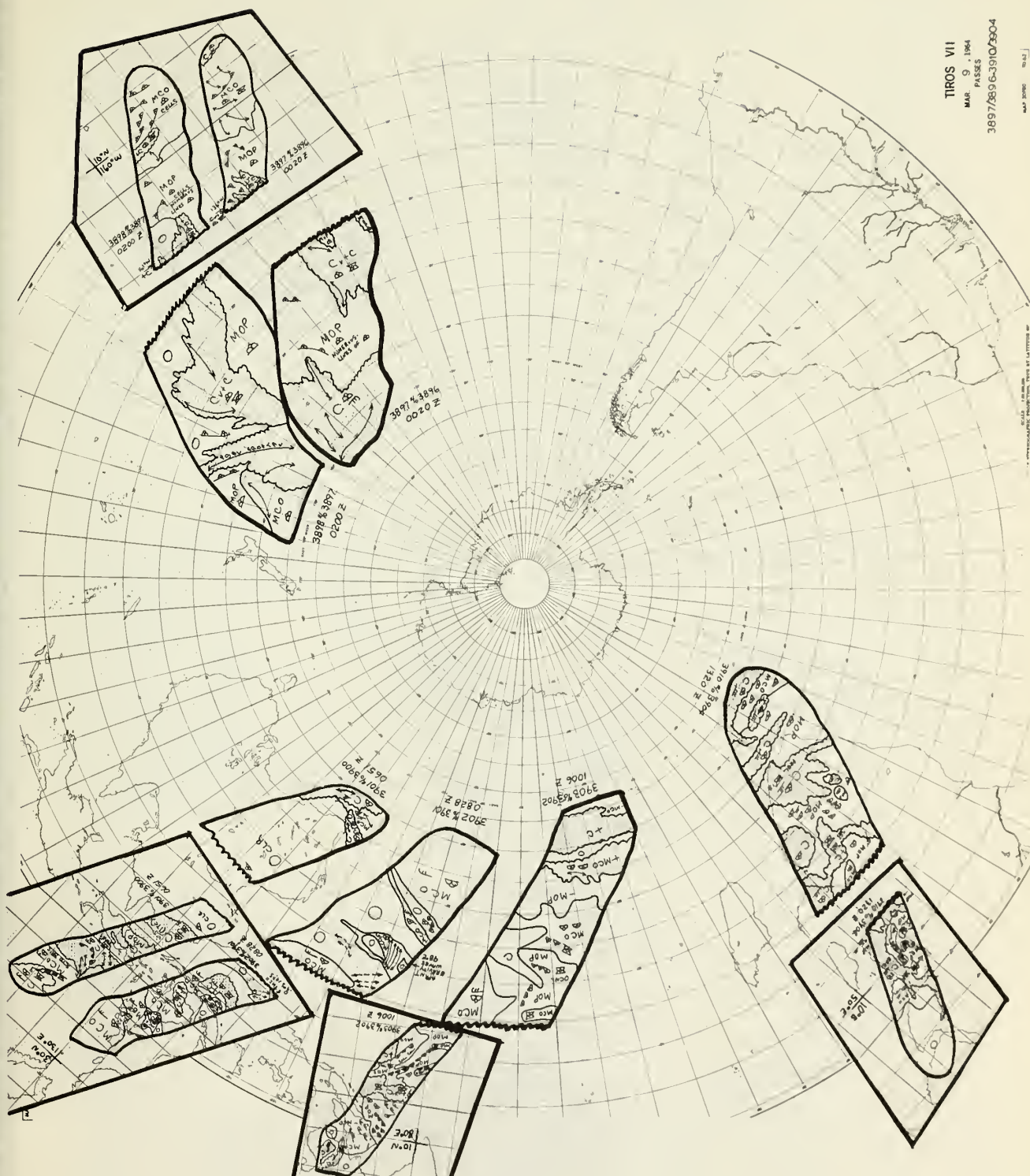
SCALE 1 000,000

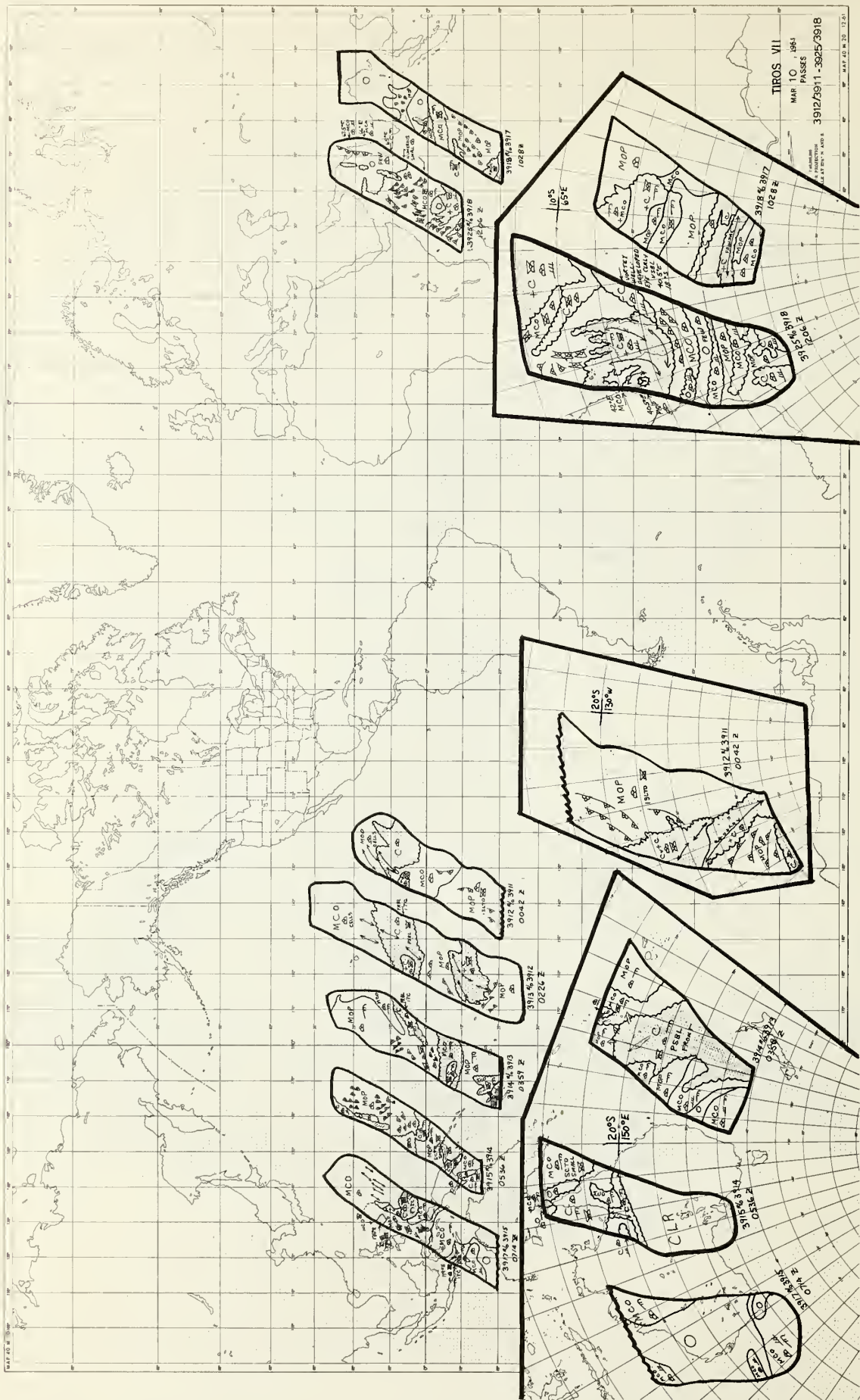


TIROS VII
MAR 7-8, 1964
PASSES
3881-3879-3896-3889

MAP 3881-3879-3896-3889

SCALE 1000000





TIROS VII
MAR 10 1961
PAGES
3912/3911-3925/3918

10°S 165°E
20°S 150°E
20°S 135°W
20°S 150°E

3918 3917
1028 Z

3915 3918
1204 Z

3912 3911
0042 Z

3913 3912
0226 Z

3914 3913
0357 Z

3915 3914
0538 Z

3916 3915
0719 Z

3917 3916
0900 Z

3918 3917
1028 Z

3919 3918
1204 Z

3920 3919
1345 Z

3921 3920
1526 Z

3922 3921
1707 Z

3923 3922
1848 Z

3924 3923
2029 Z

3925 3924
2210 Z

3926 3925
2351 Z

3927 3926
0132 Z

3928 3927
0313 Z

3929 3928
0454 Z

3930 3929
0635 Z

3931 3930
0816 Z

3932 3931
0957 Z

3933 3932
1138 Z

3934 3933
1319 Z

3935 3934
1500 Z

3936 3935
1641 Z

3937 3936
1822 Z

3938 3937
2003 Z

3939 3938
2144 Z

3940 3939
2325 Z

3941 3940
0106 Z

3942 3941
0247 Z

3943 3942
0428 Z

3944 3943
0609 Z

3945 3944
0750 Z

3946 3945
0931 Z

3947 3946
1112 Z

3948 3947
1253 Z

3949 3948
1434 Z

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1615 Z

3951 3950
1756 Z

3952 3951
1937 Z

3953 3952
2118 Z

3954 3953
2259 Z

3955 3954
0040 Z

3956 3955
0221 Z

3957 3956
0402 Z

3958 3957
0543 Z

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0724 Z

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0905 Z

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1046 Z

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1227 Z

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1408 Z

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1549 Z

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1911 Z

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2052 Z

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2233 Z

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2414 Z

3970 3969
0055 Z

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0236 Z

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0417 Z

3973 3972
0558 Z

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0739 Z

3975 3974
0920 Z

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1101 Z

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1282 Z

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1463 Z

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1644 Z

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1825 Z

3981 3980
2006 Z

3982 3981
2147 Z

3983 3982
2328 Z

3984 3983
0109 Z

3985 3984
0250 Z

3986 3985
0431 Z

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0612 Z

3988 3987
0753 Z

3989 3988
0934 Z

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1115 Z

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1256 Z

3992 3991
1437 Z

3993 3992
1618 Z

3994 3993
1759 Z

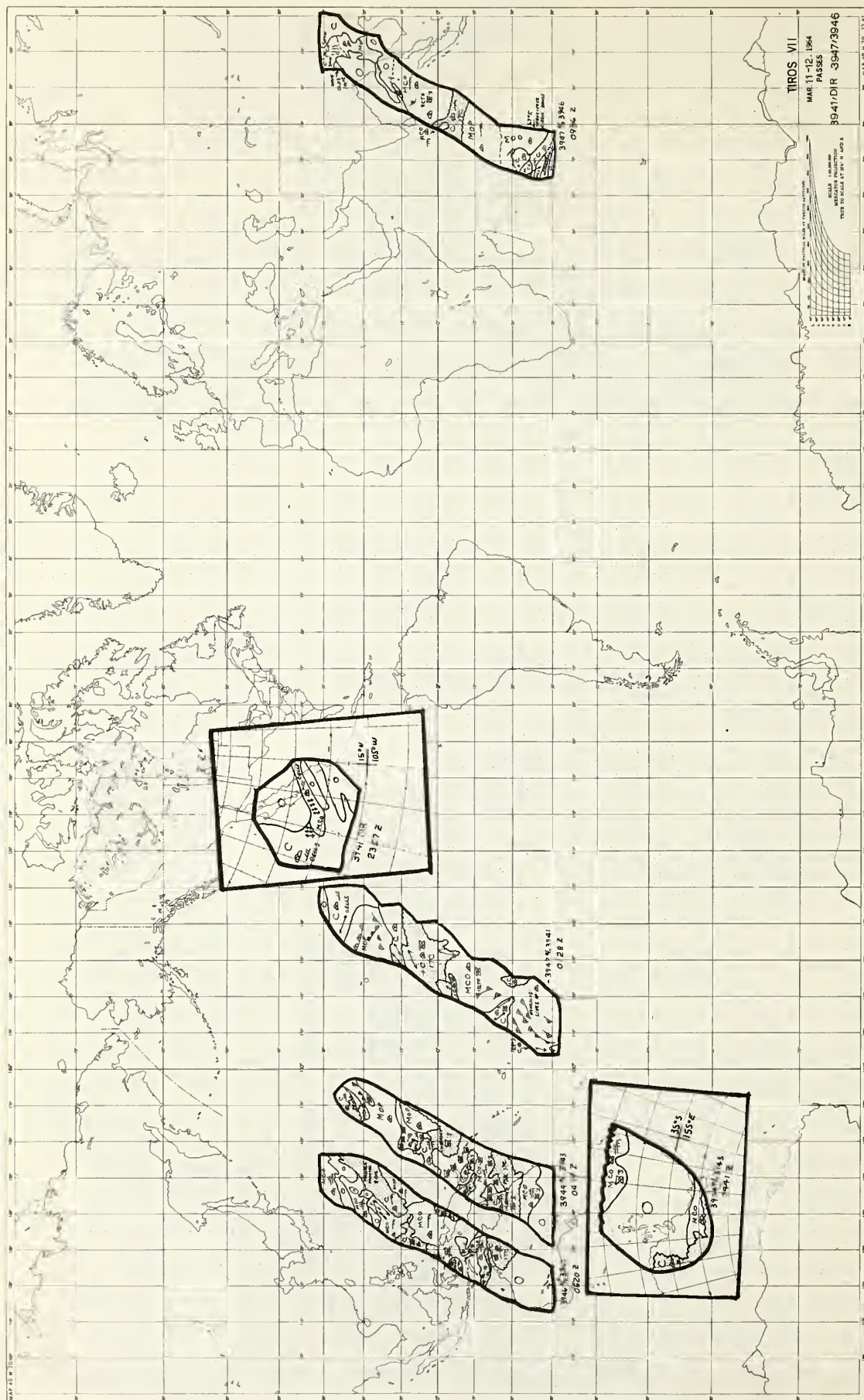
3995 3994
1940 Z

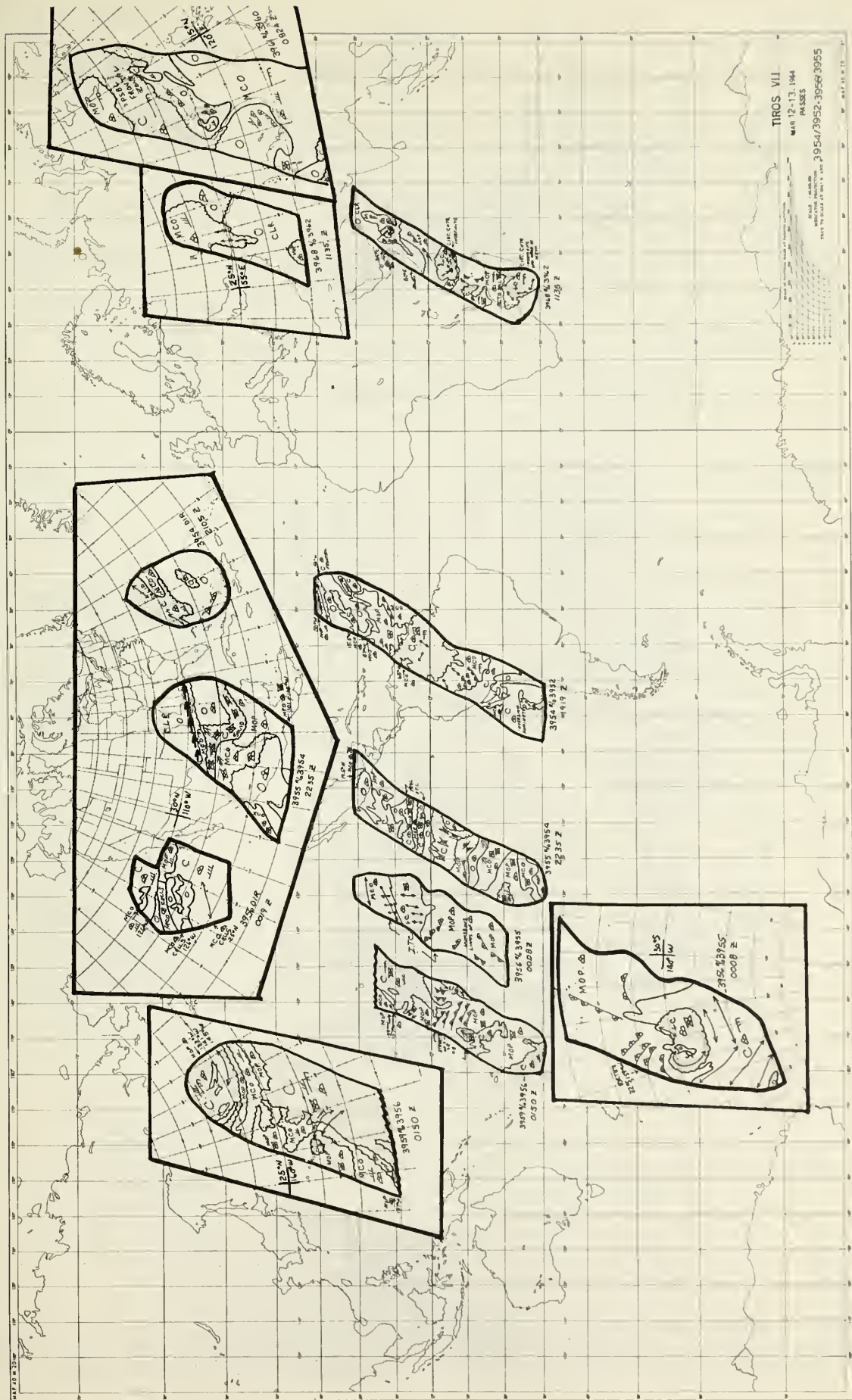
3996 3995
2121 Z

3997 3996
2302 Z

3998 3997
0043 Z

3999 3998
0224 Z



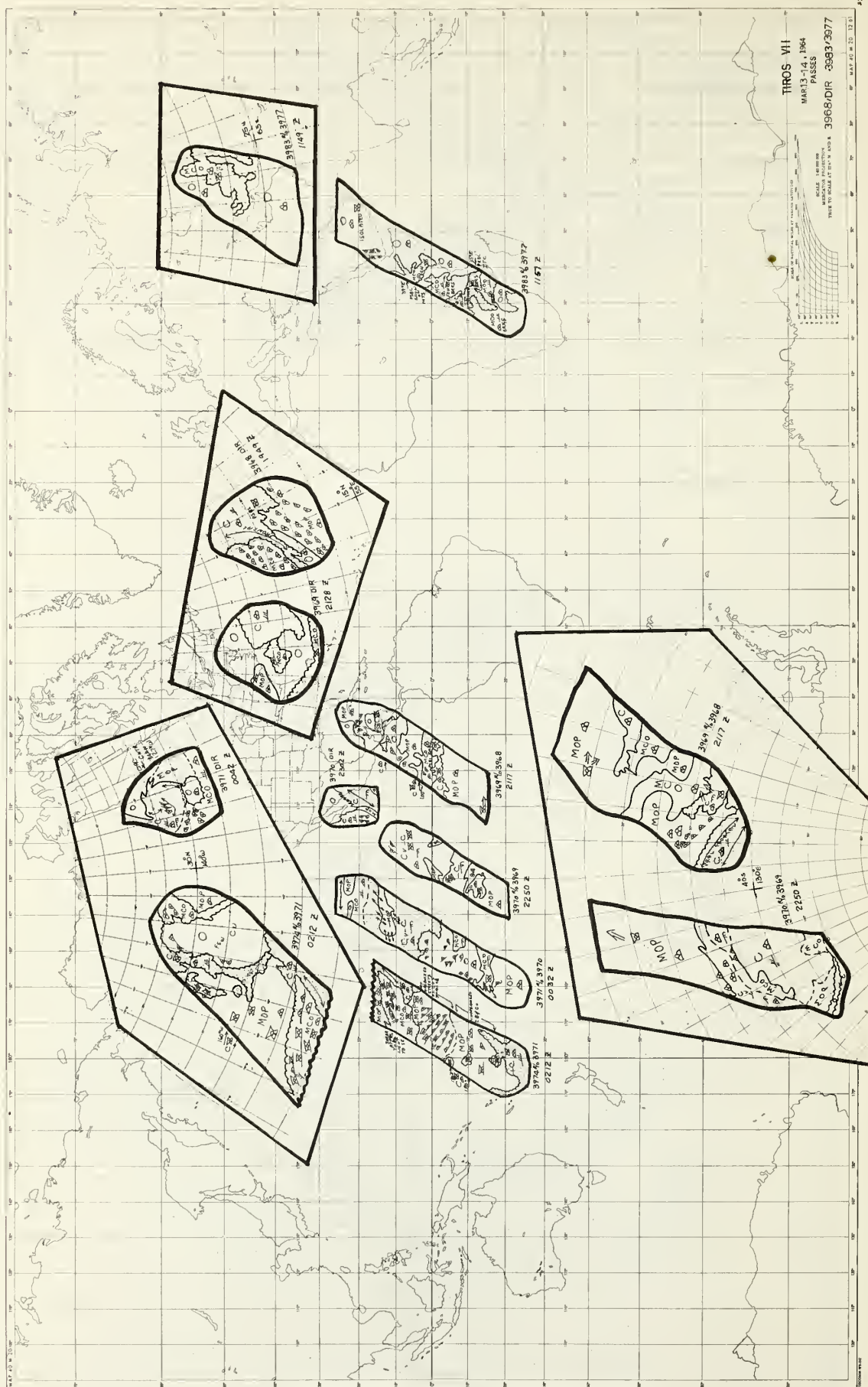


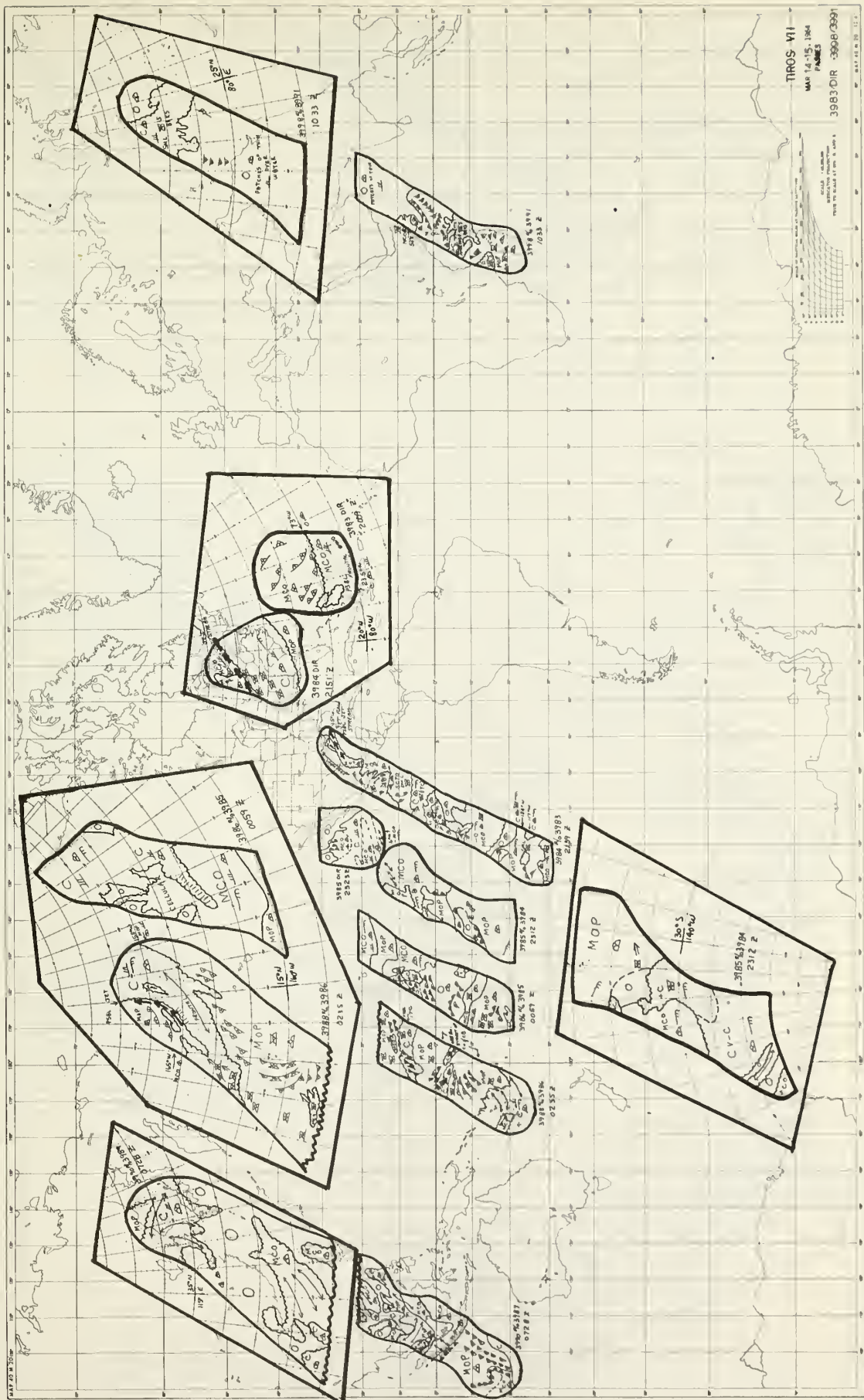
TIROS VII

MAR 12-13. 1964

535

DC LAB 1-800-285-2855
 IN BULK & FOR PROMOTIONS
 CALL THE DC LAB AT 1-800-285-2855



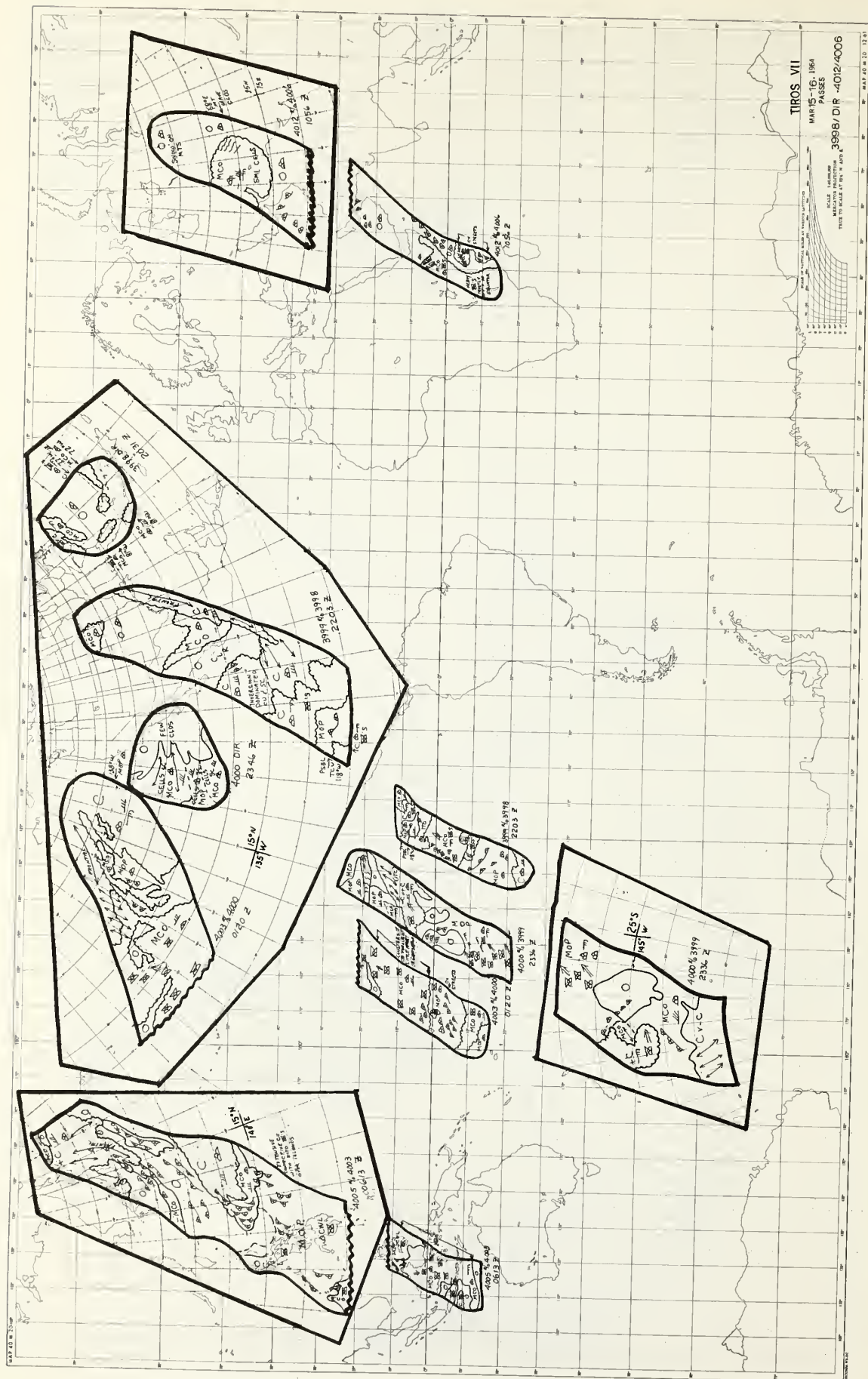


TRANS VI

MAR 14-15, 1964

52

3983 DIR .30083991



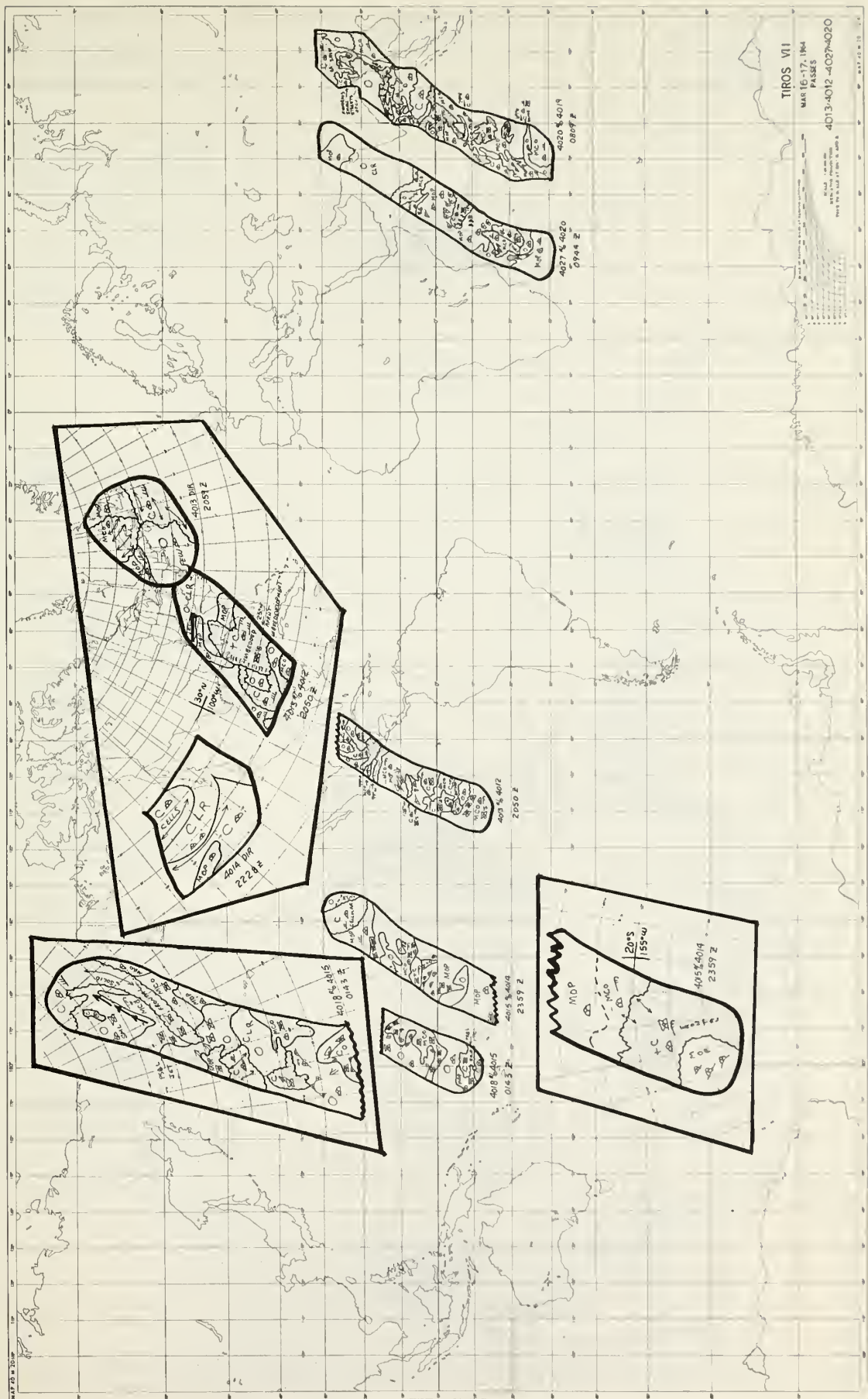
TIROS VII

MAR 15 - 16, 1964

ASSES

3998/DIR -4012/4006

3998/DIR -4012/4006
 NEED FOR PROTECTION
 TRUTH TO SCALE AT 1/2" = 1' N AND A



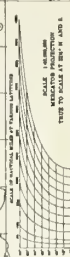


TIROS VII

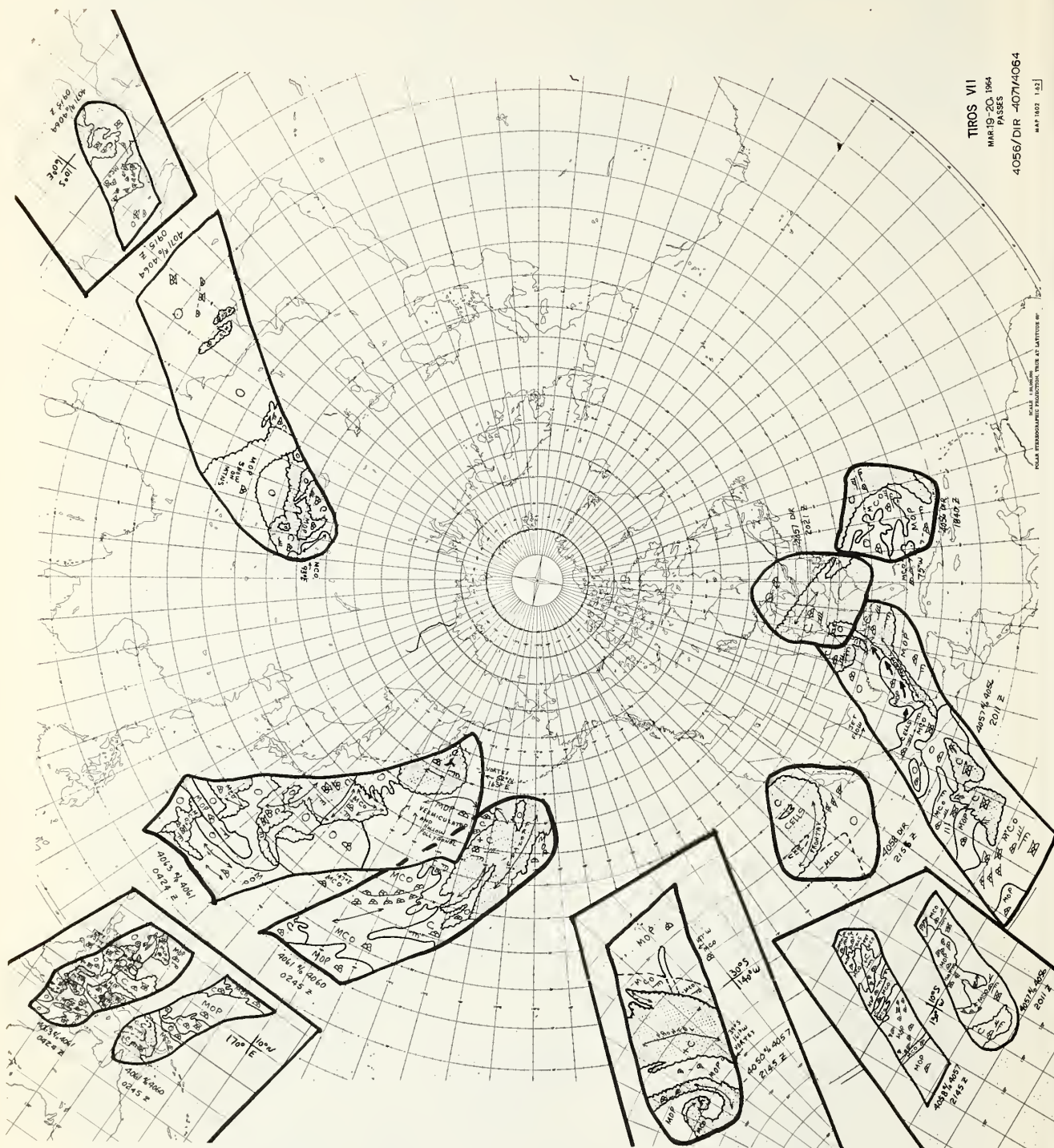
MAR 17-18, 1964

PASSES

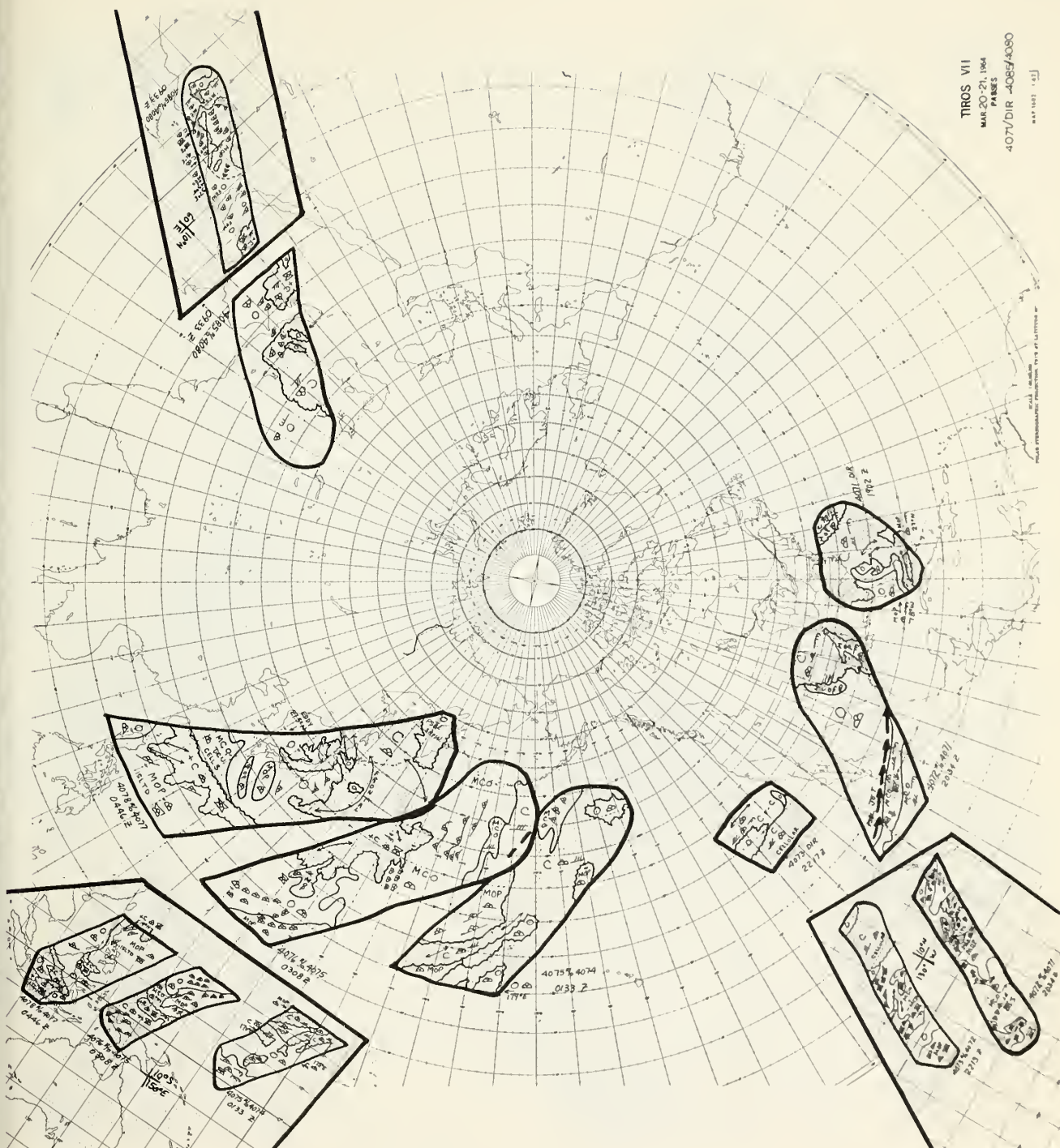
402° DIR - 6041 / 4035

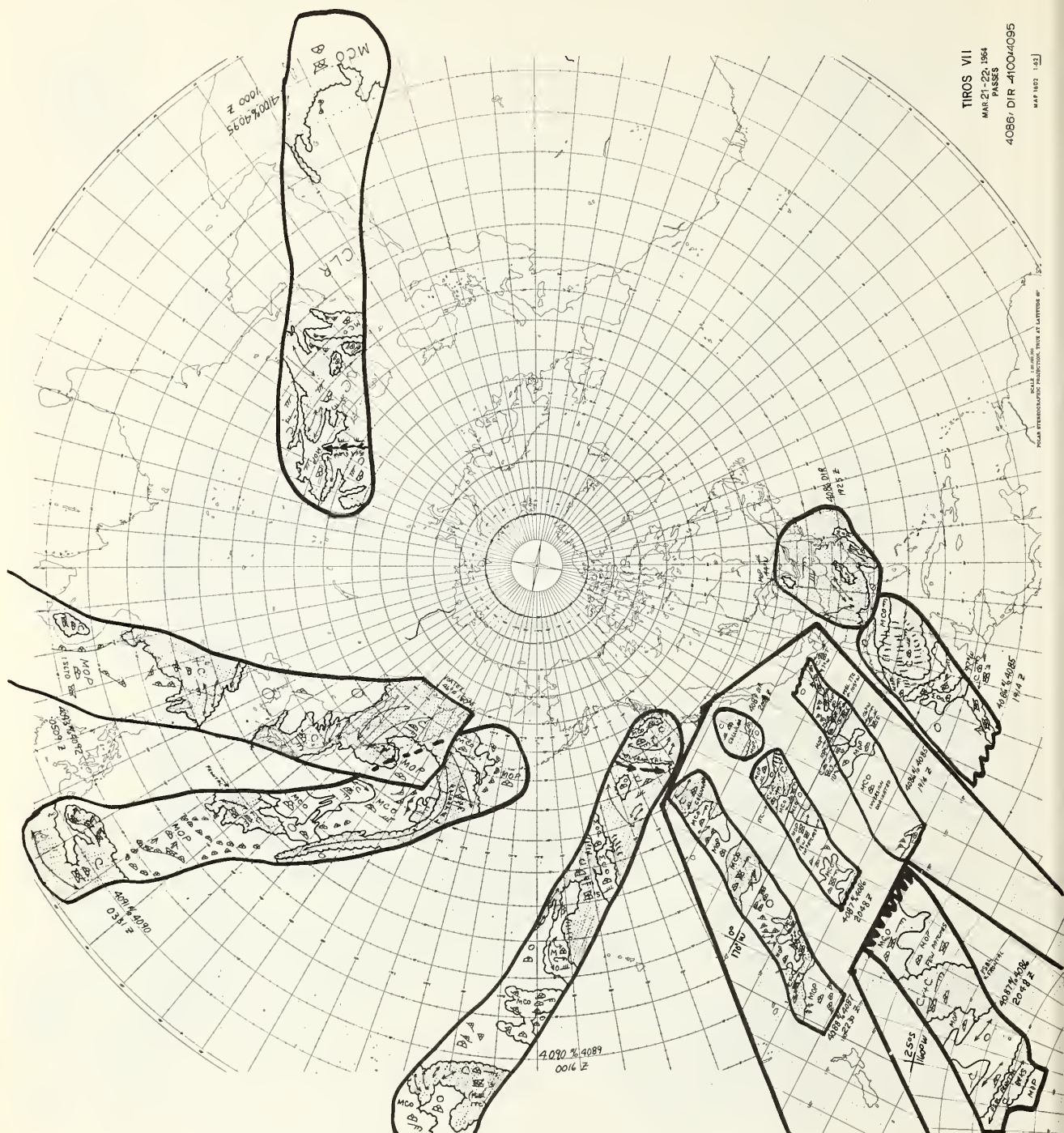




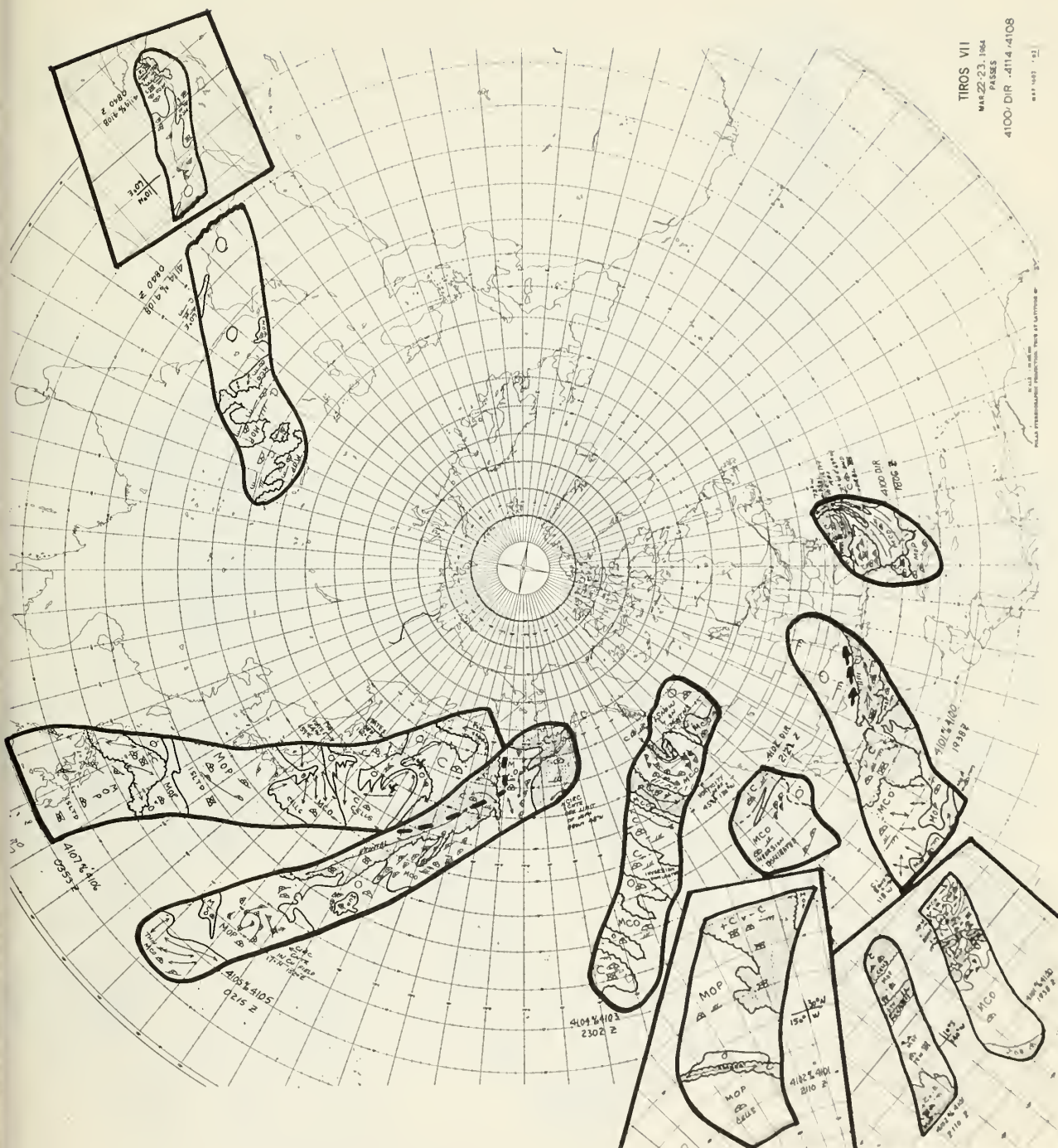


FRANK J. DUNN



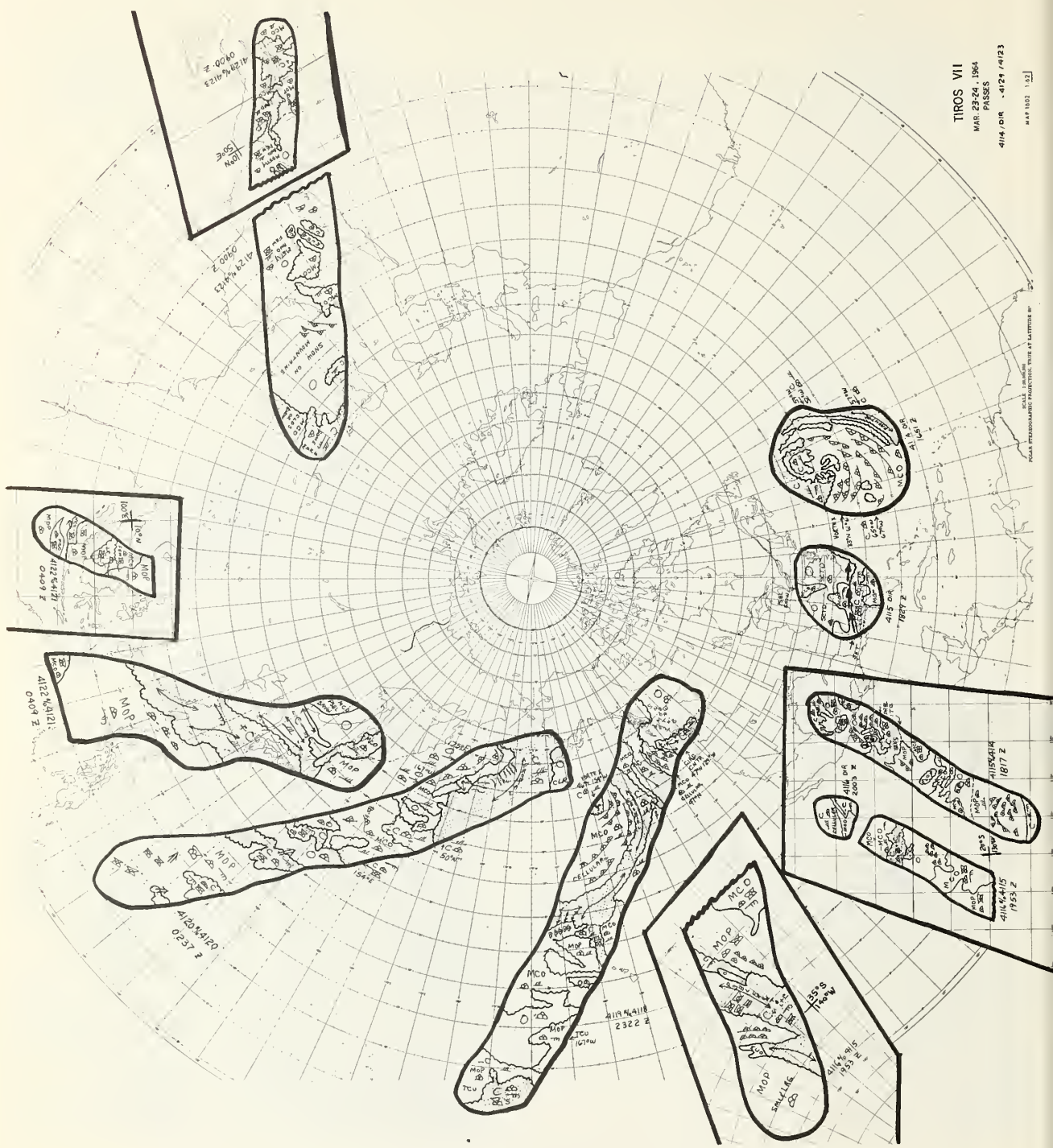


07-00000



TIROS VII
MAR 23-24, 1964
PASSES
4114 DR - 4121 / 4123

MAP 1522 152



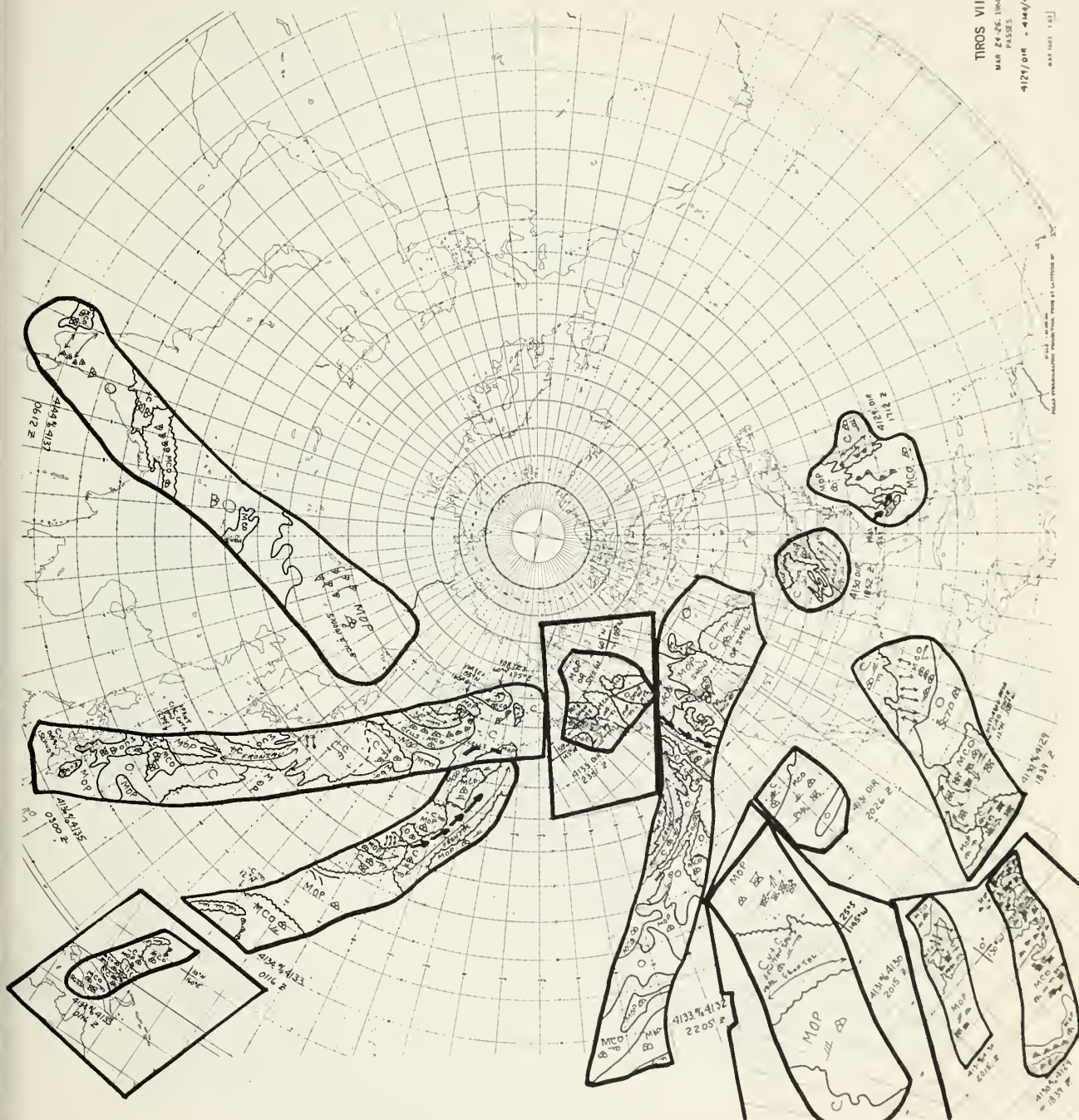
TIROS VII

MAR 24-26, 1964

PAGES

4127/014 - 4144/4137

0.07 1001 1 101



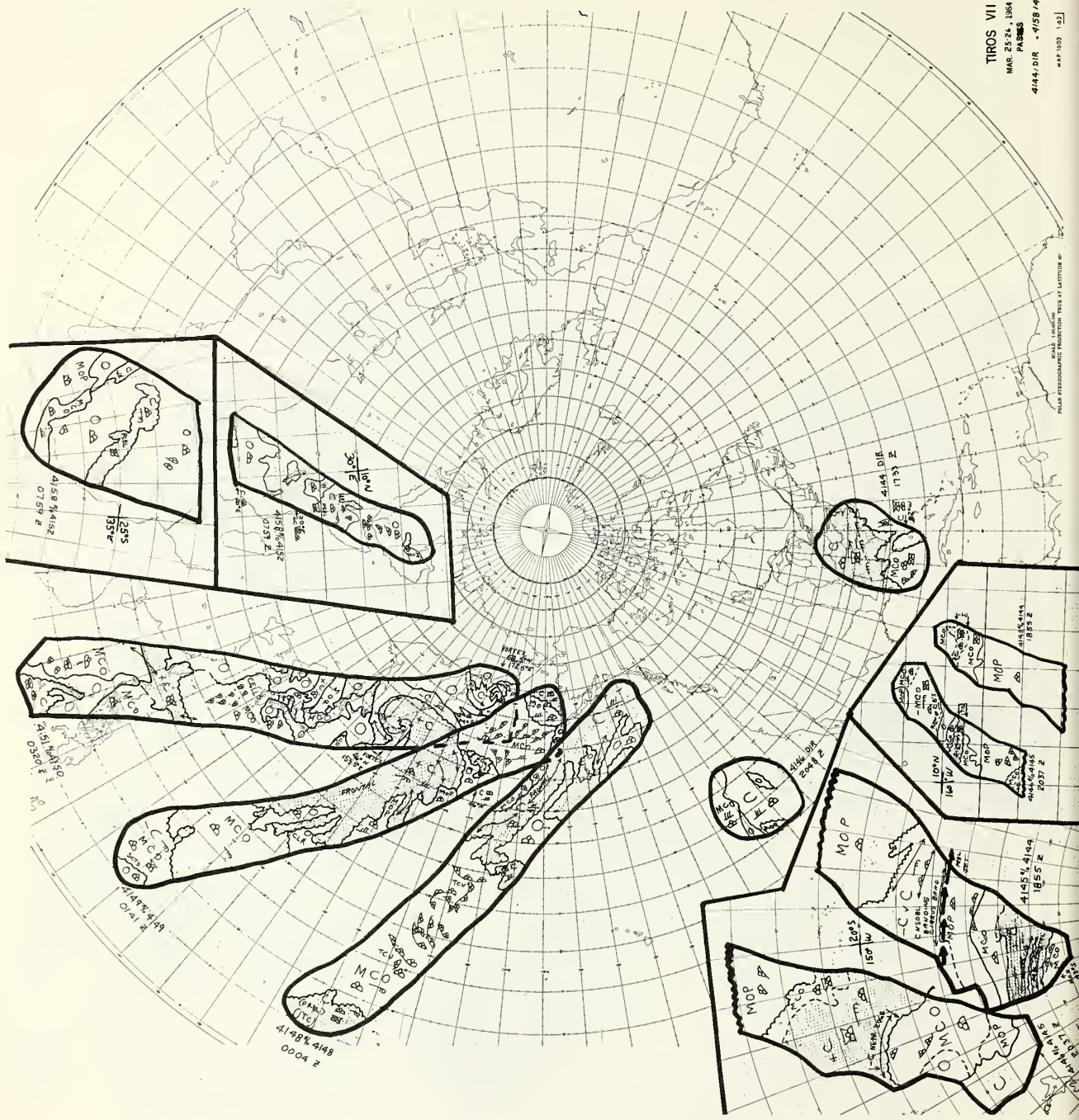
TIROS VII

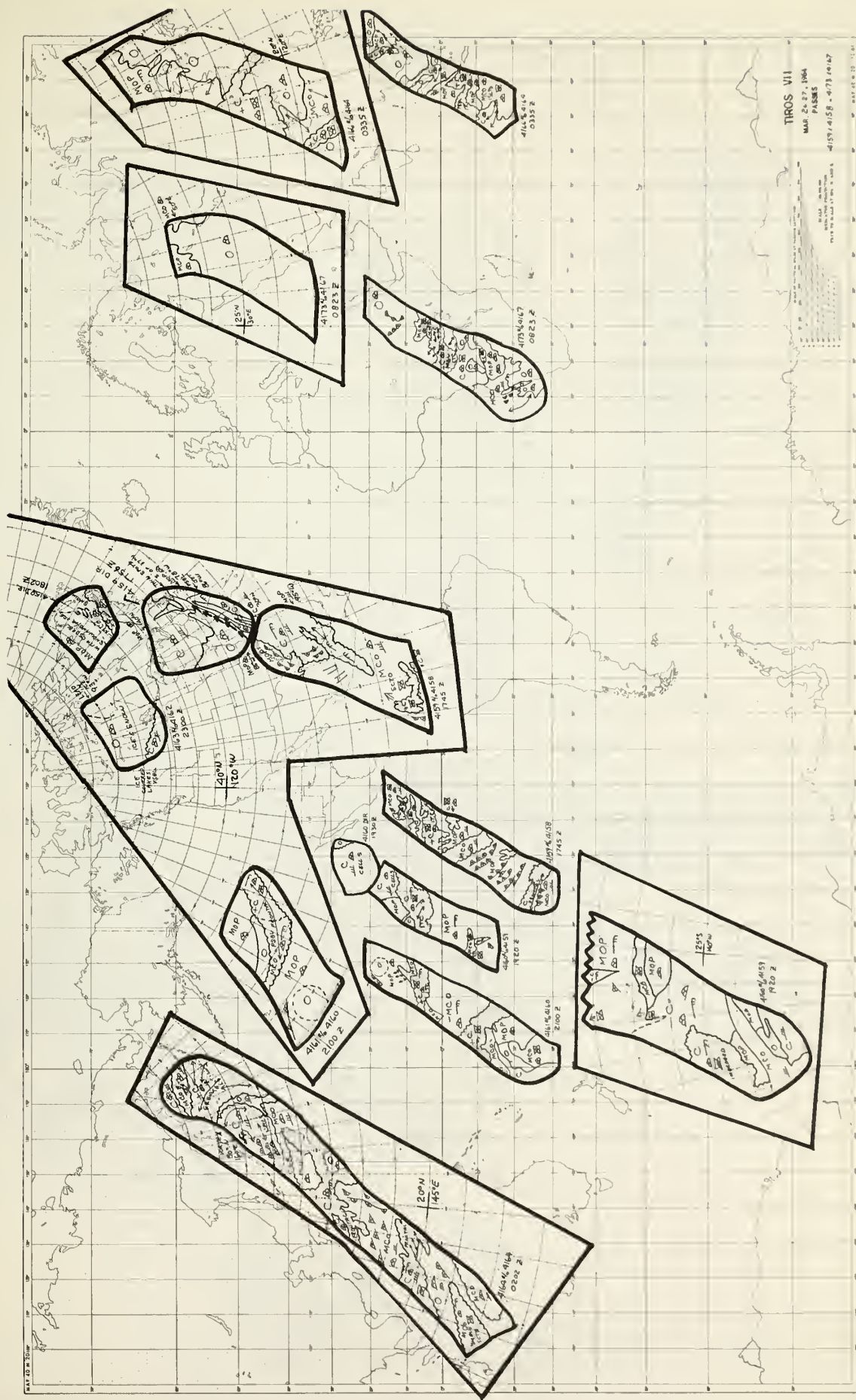
MAR 25 21, 1964

PAKES

444 DIR - 90914152

SCALE 1:100,000
HORIZONTAL DISTANCE FROM THE CENTER OF THE EARTH





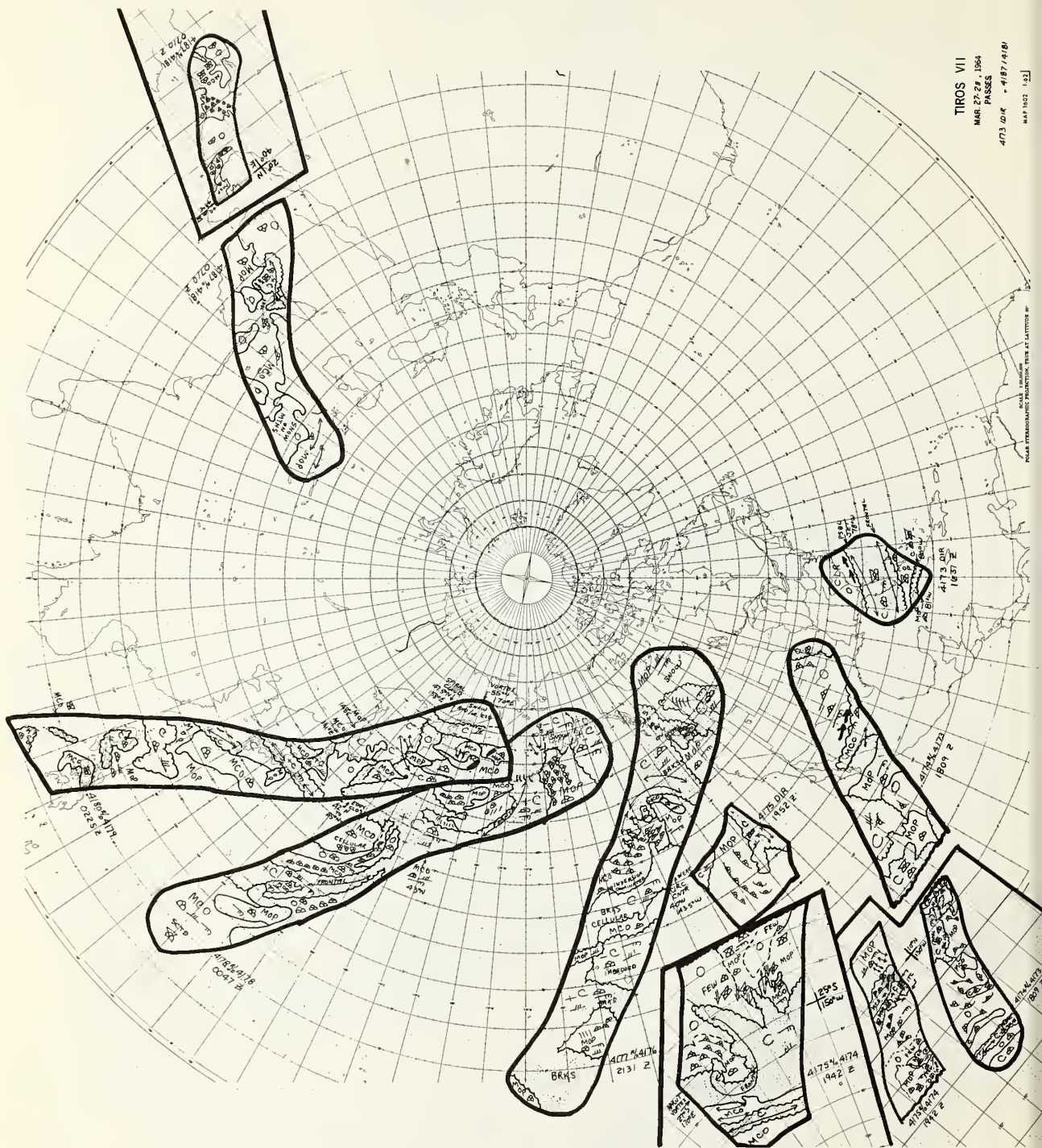
THROS VII

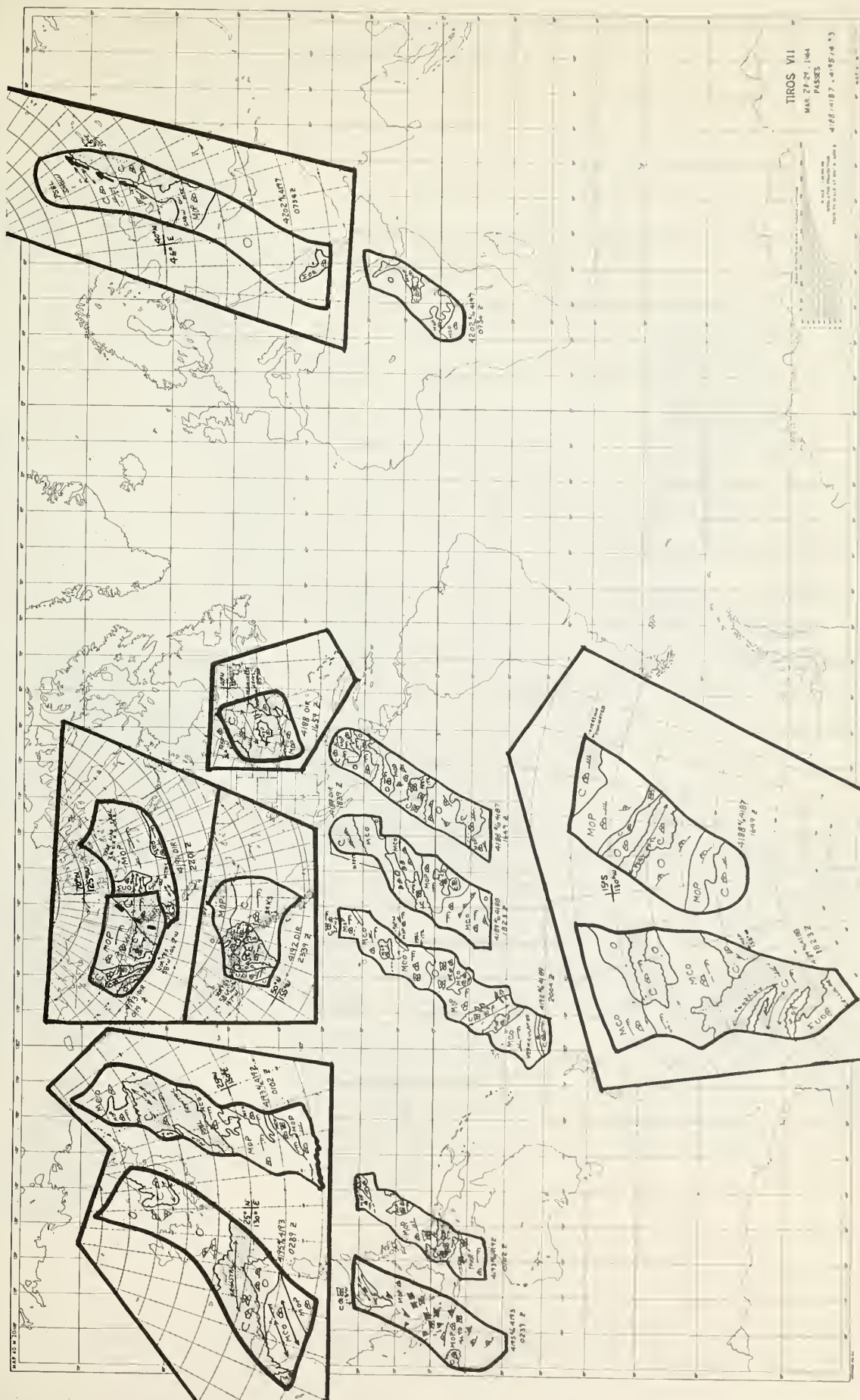
Map 2-27, 1964

74585

4157 4158 - 473 4617







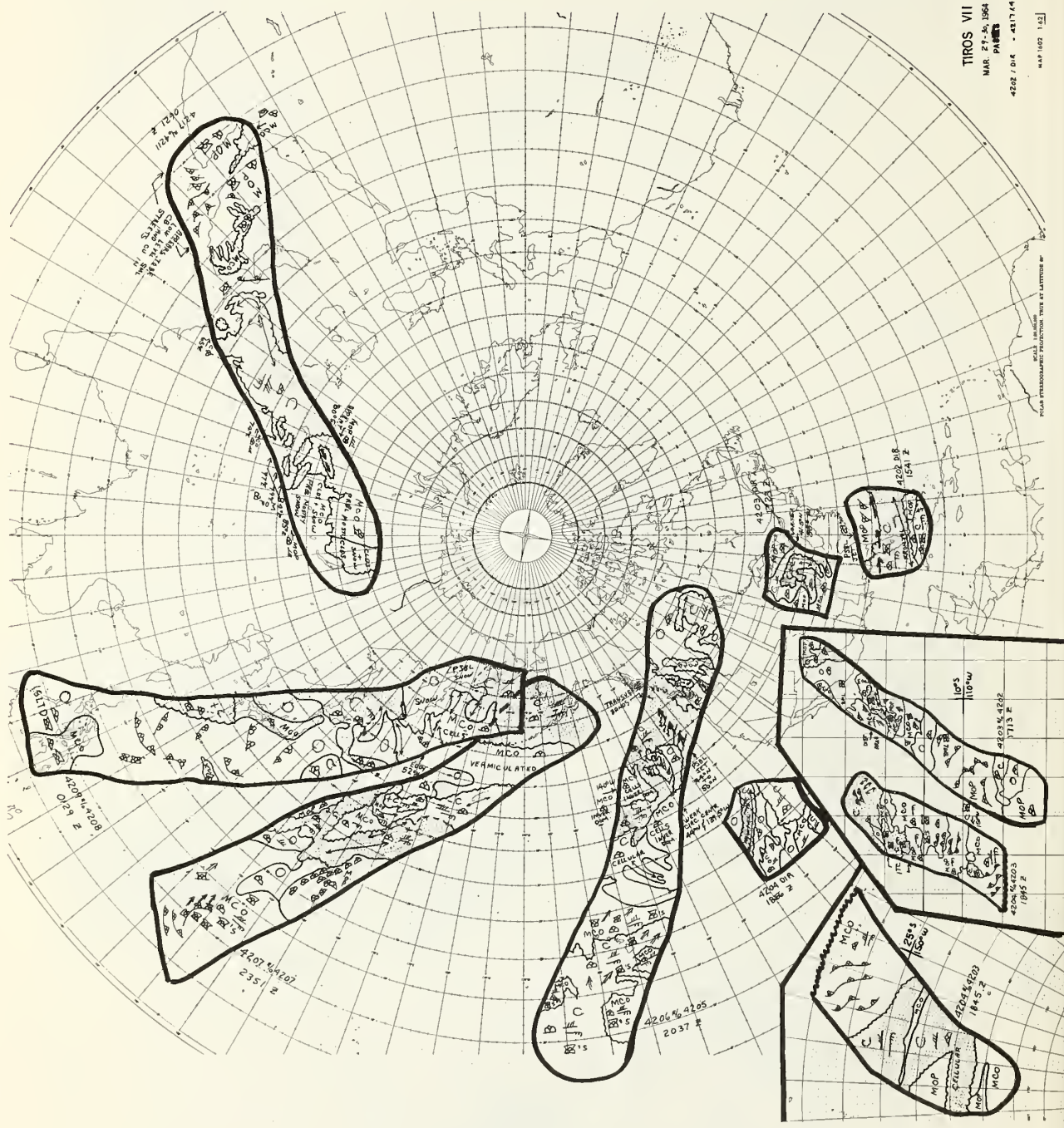
TIROS VII

MAR 27-30, 1964

PAGE 1

4202 / 014 - 4317 / 4211

MAP 1002 1:50



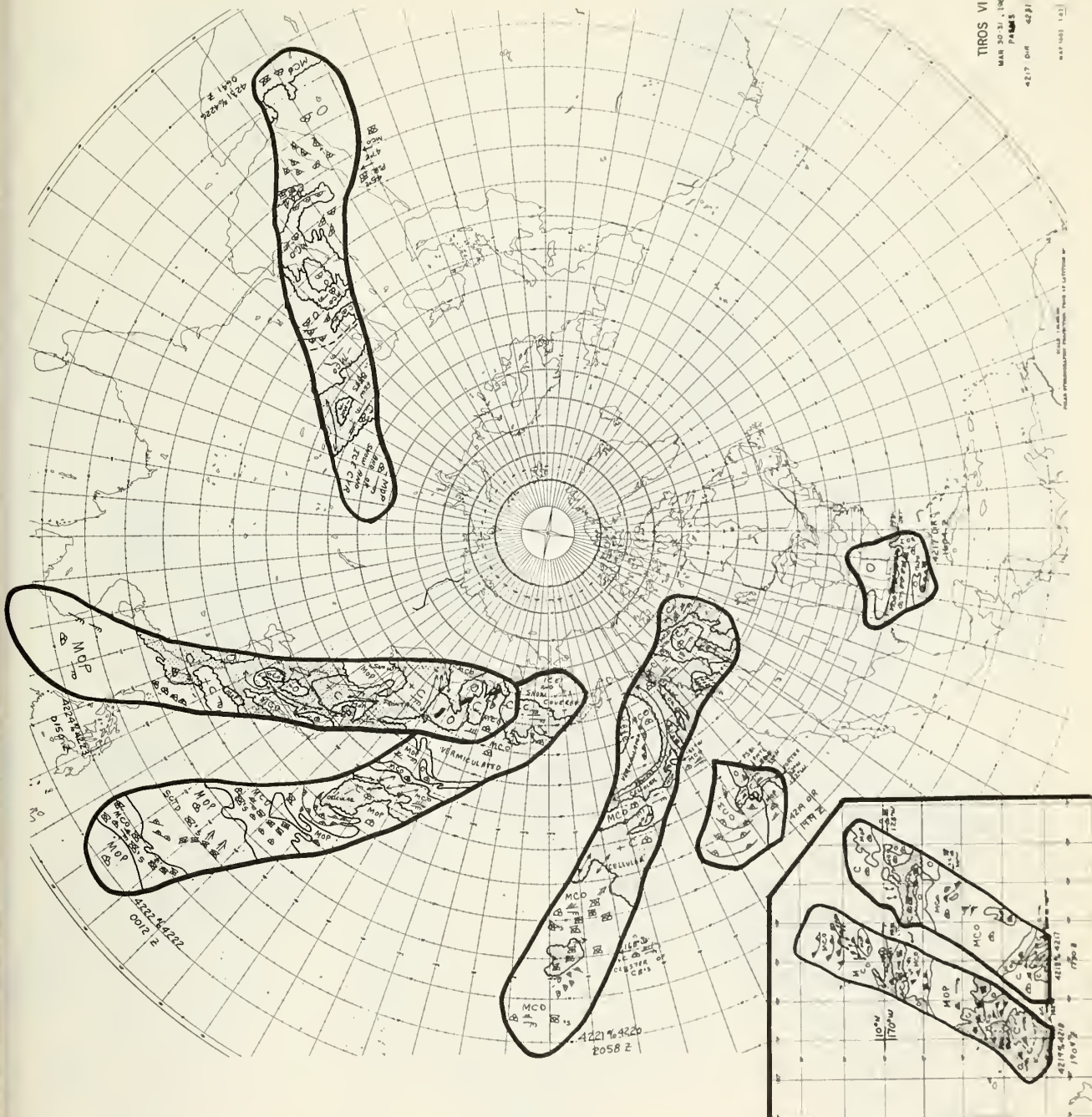
TIROS VII

MAR 20 21 1964

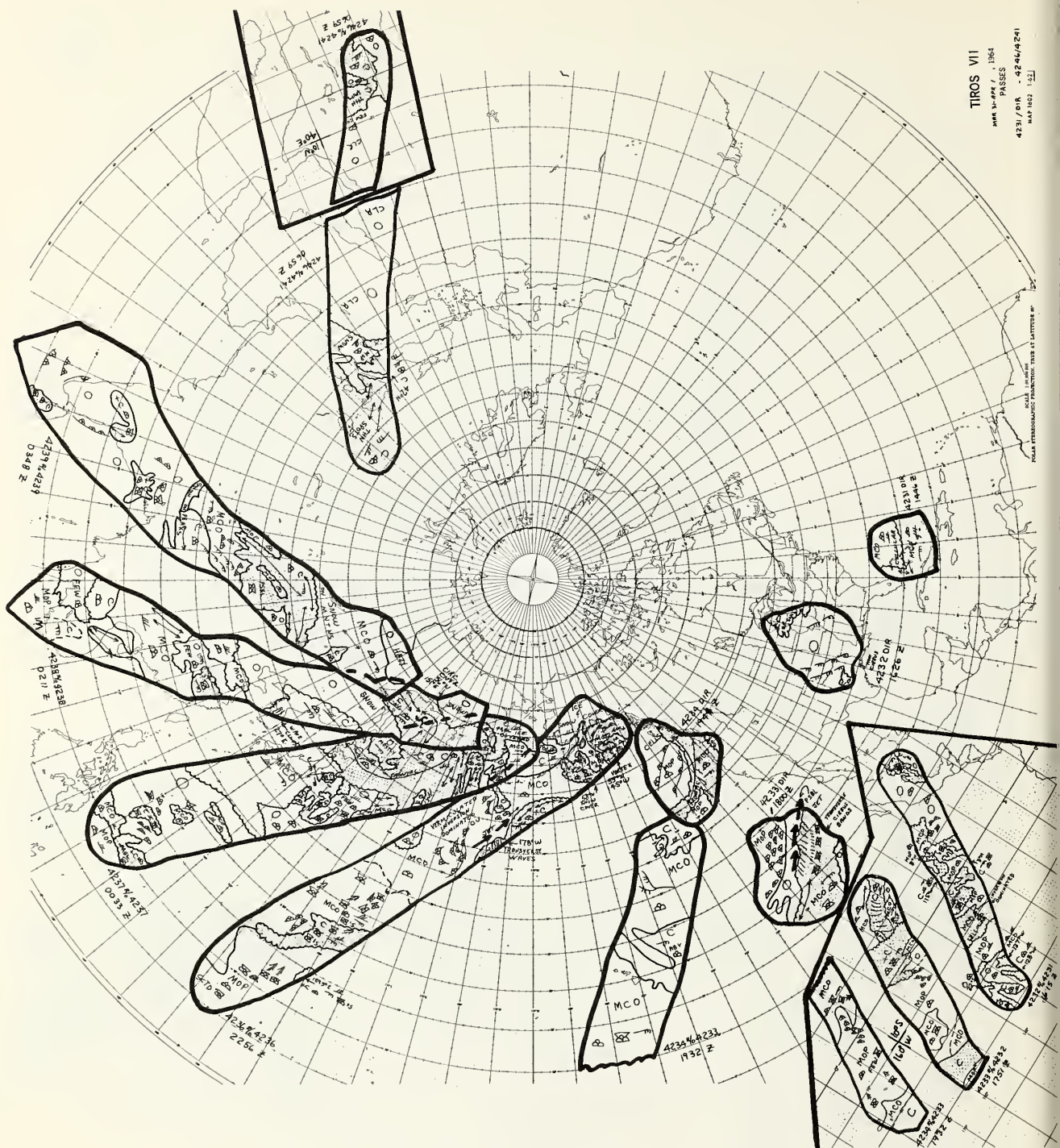
7:45 AM

4217 DAT 4231 4226

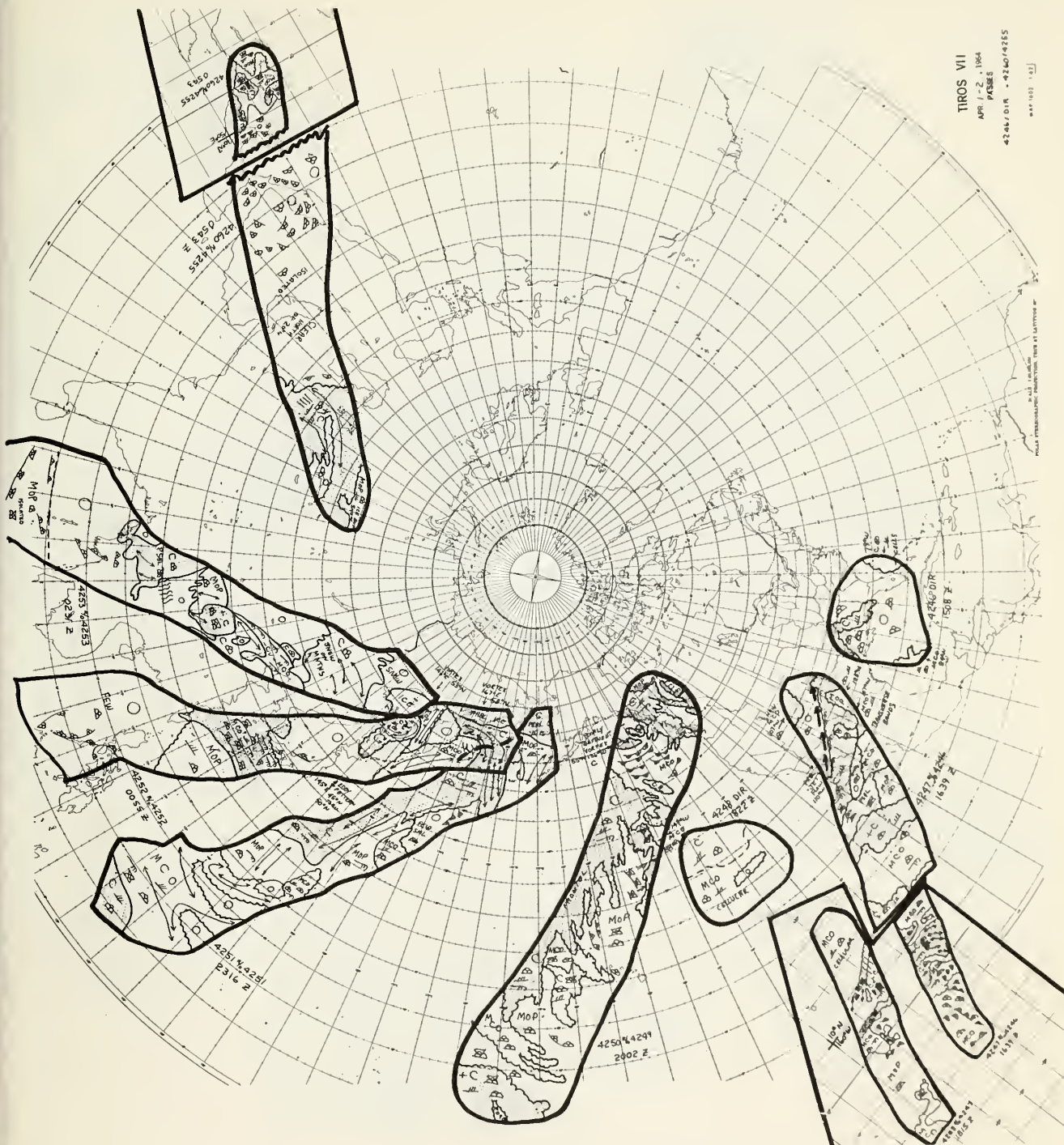
NO. 1 1000 1.01

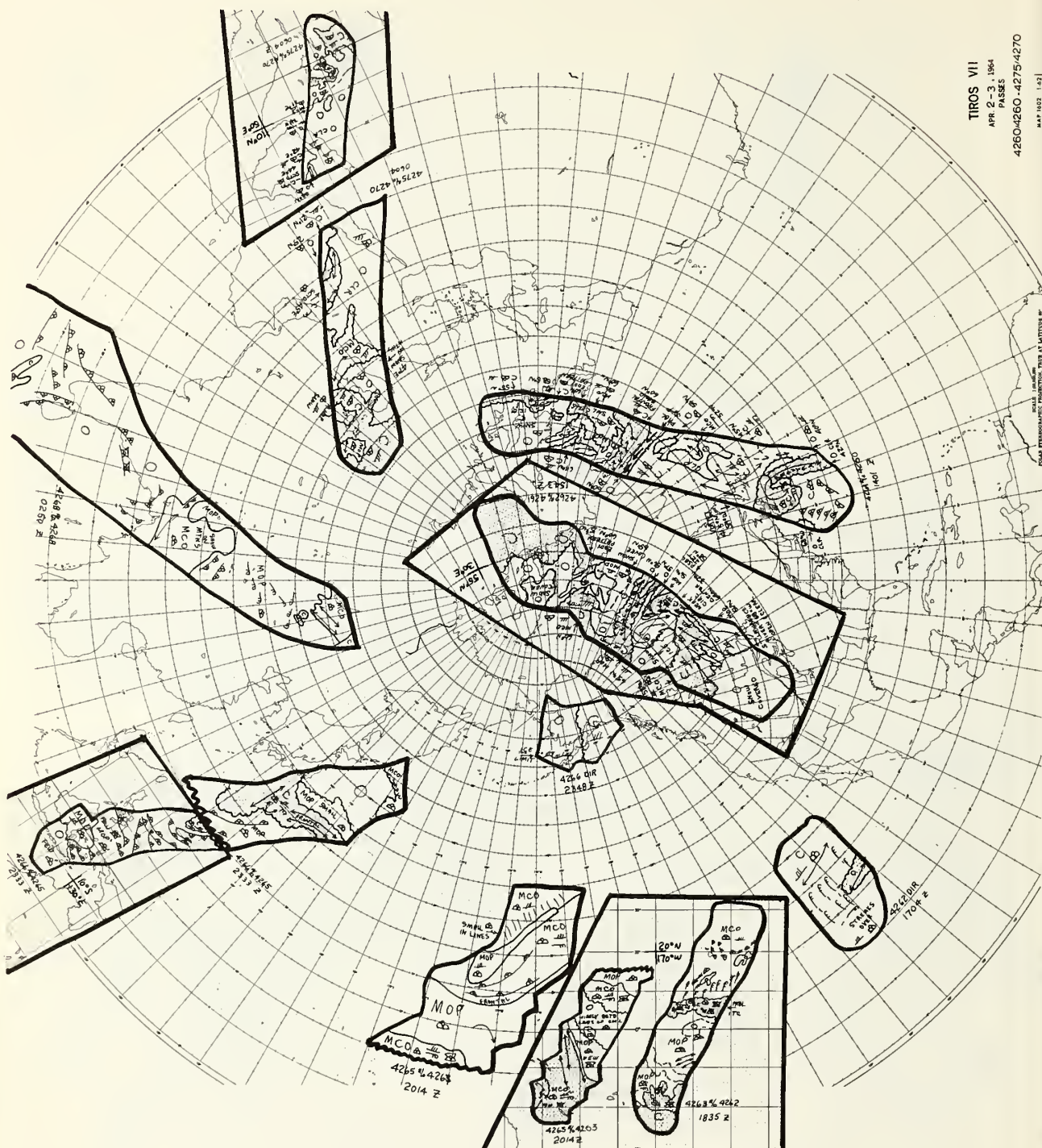


4231/DIR - 4246/4241
MAP 1602 1.62



TIROS VII
 APR 1-2, 1964
 PAGES
 4246/DIR - 4246/4255
 MAY 1963 - 42



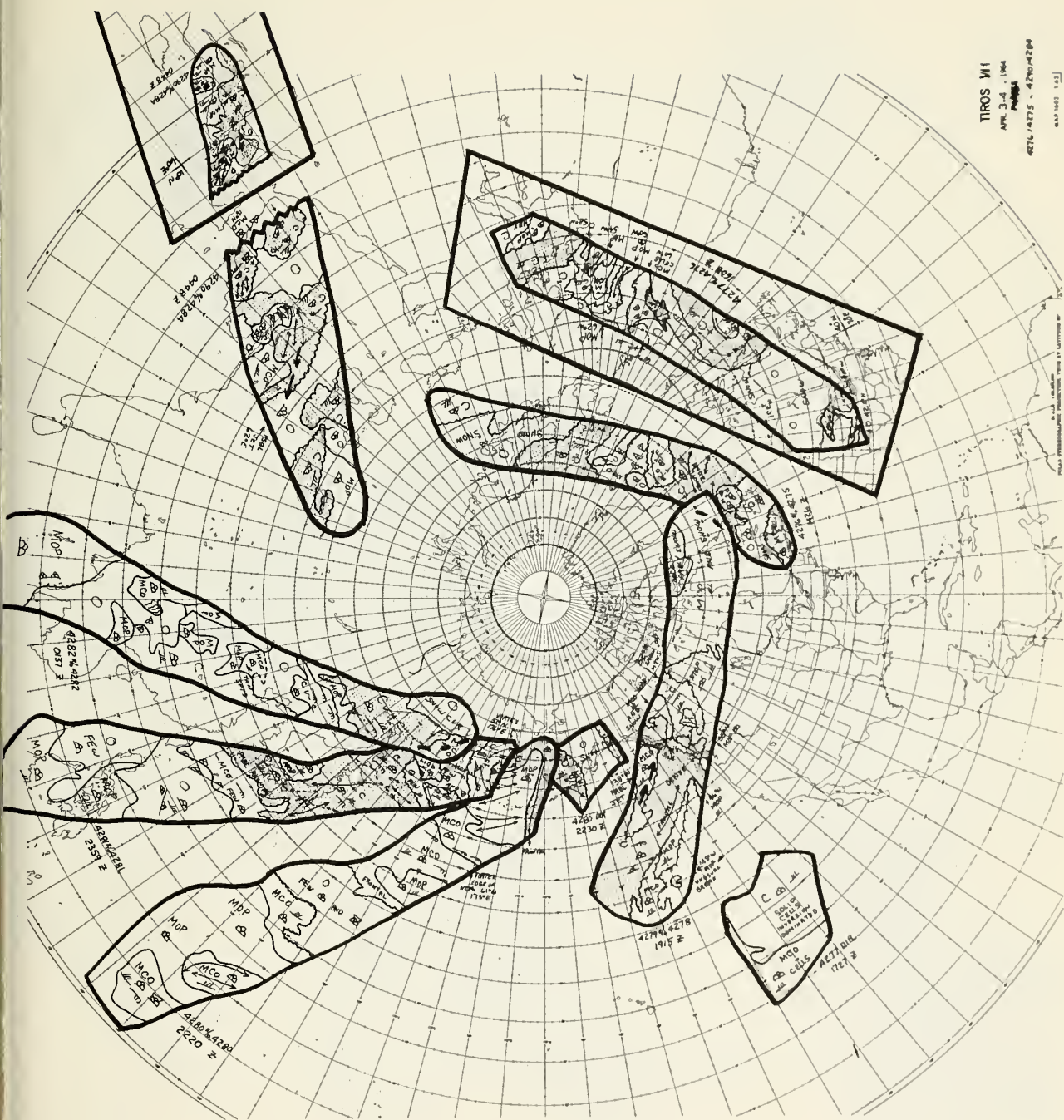


TIROS VI

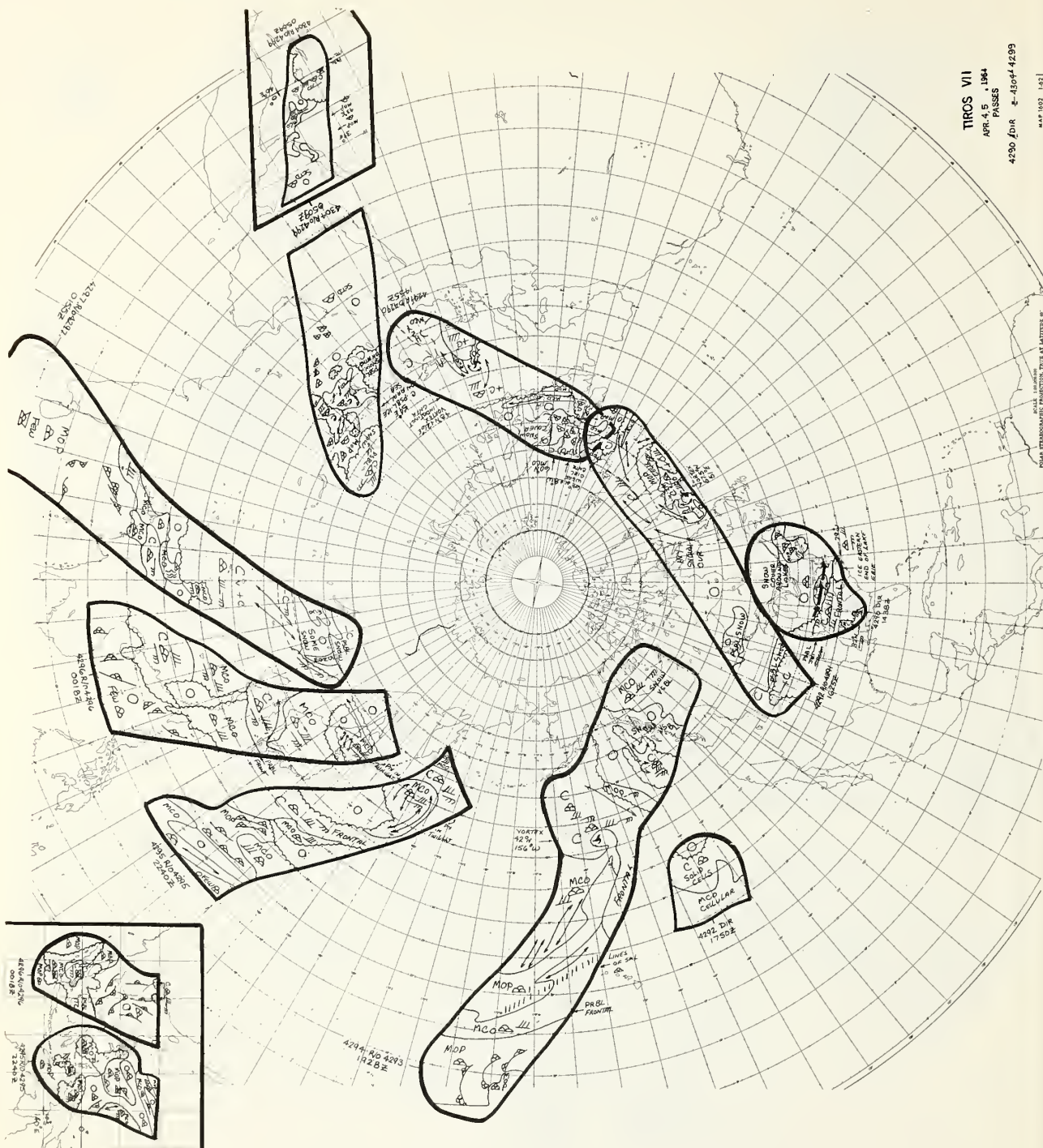
APR 3-4, 1964

4276 14275 ~ 4276 14284

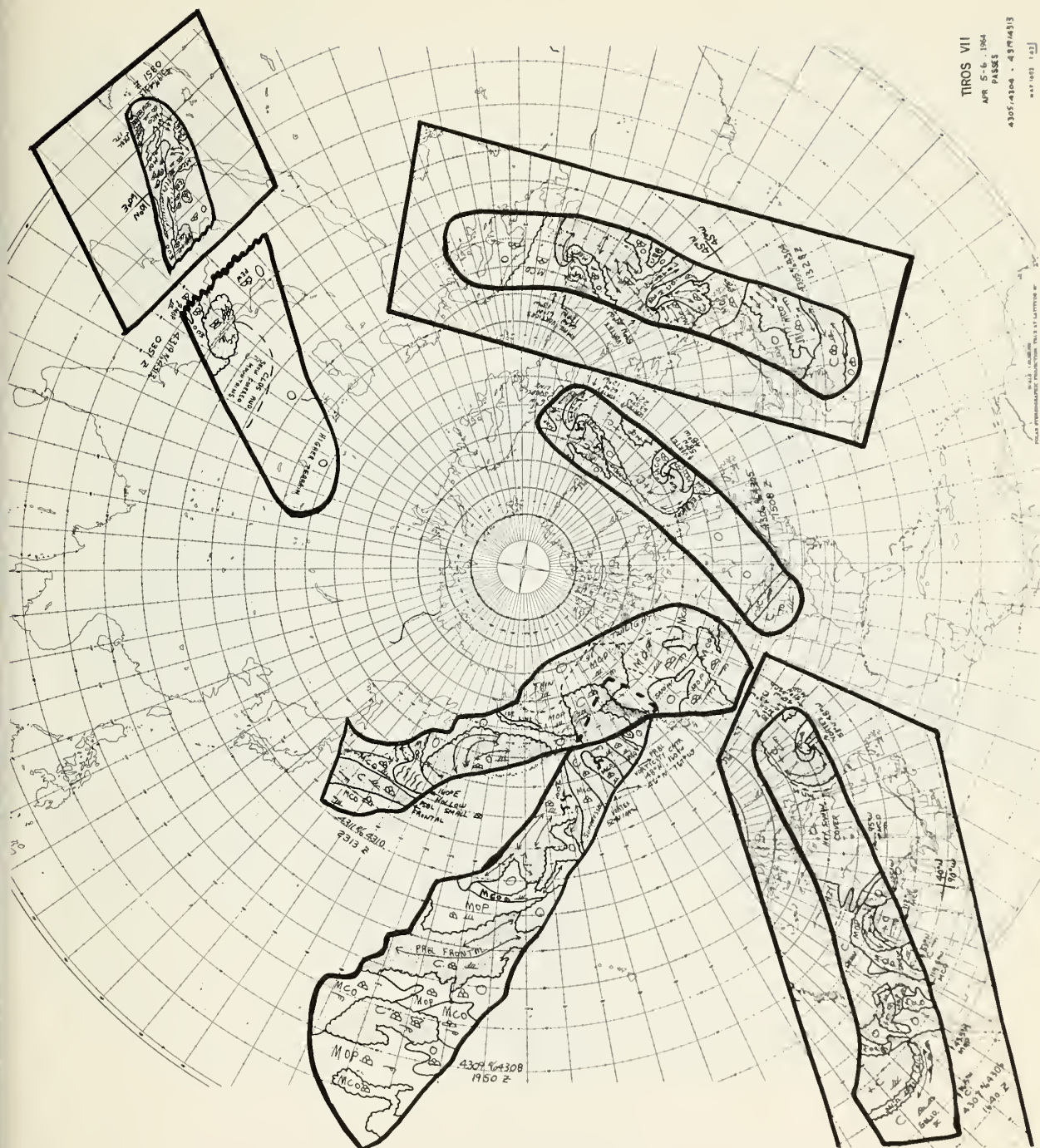
643 1403 1423



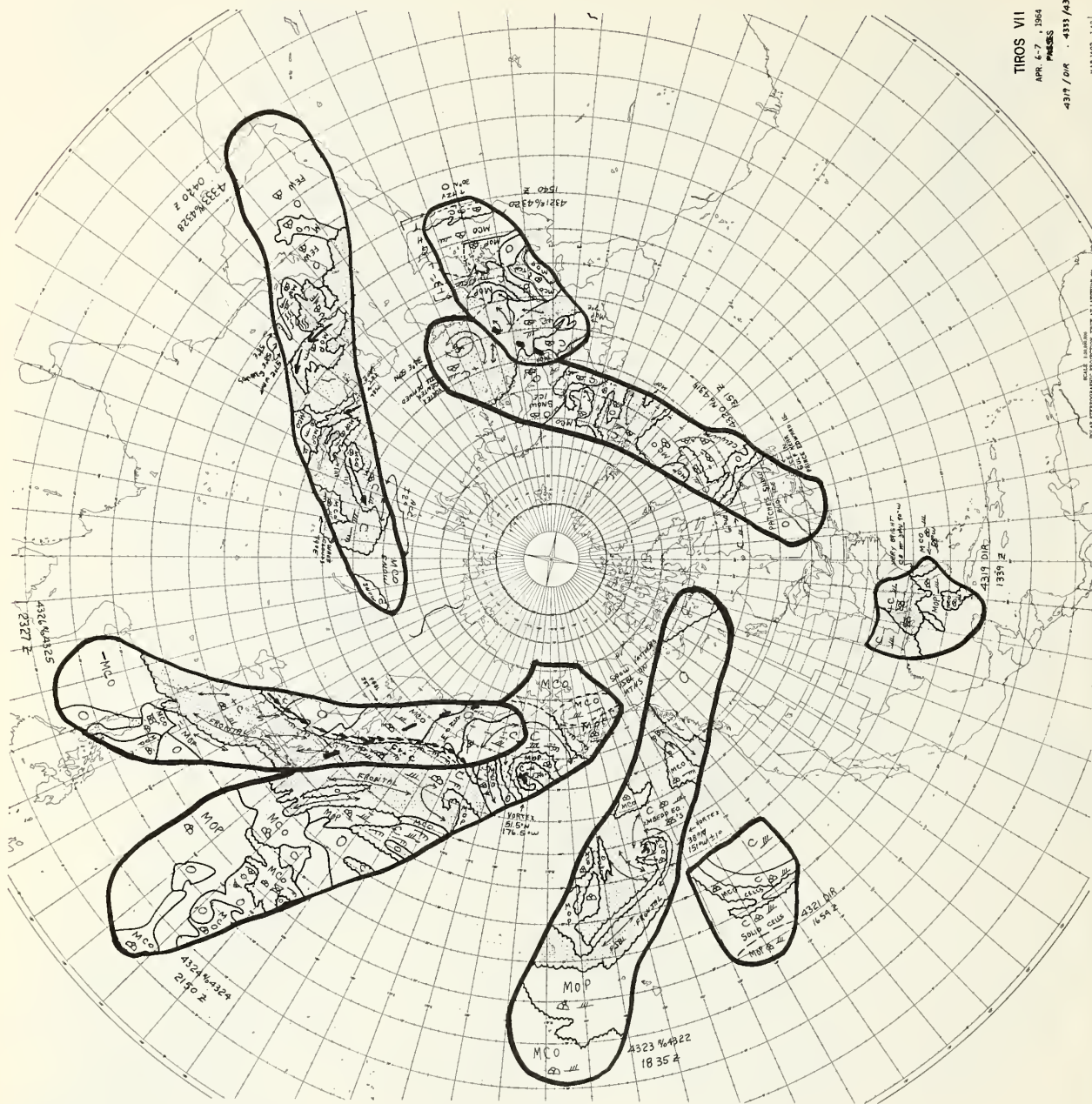
MAP 1602 1-621



1971 1001 1001

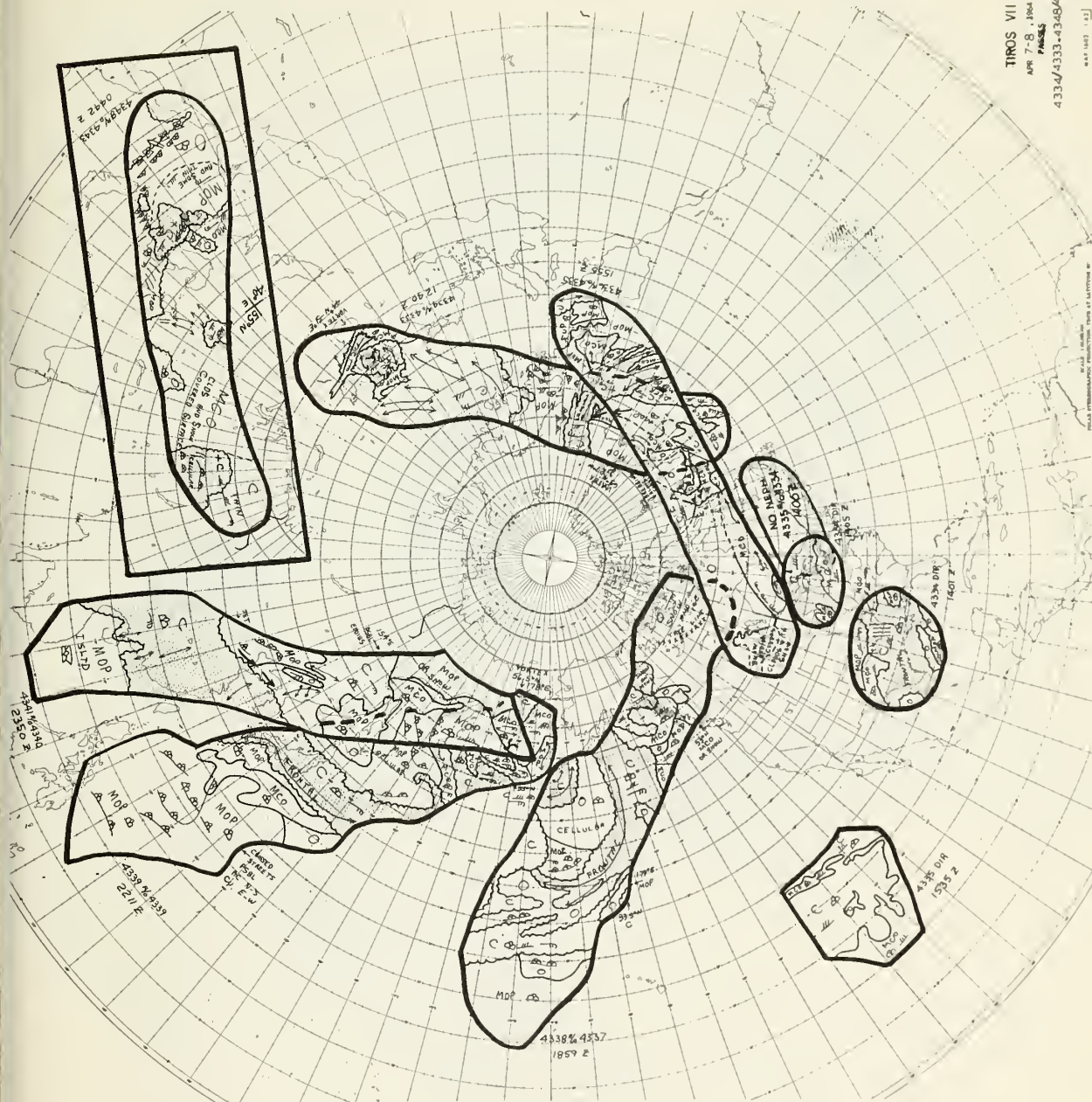


SCALE 1:20,000,000

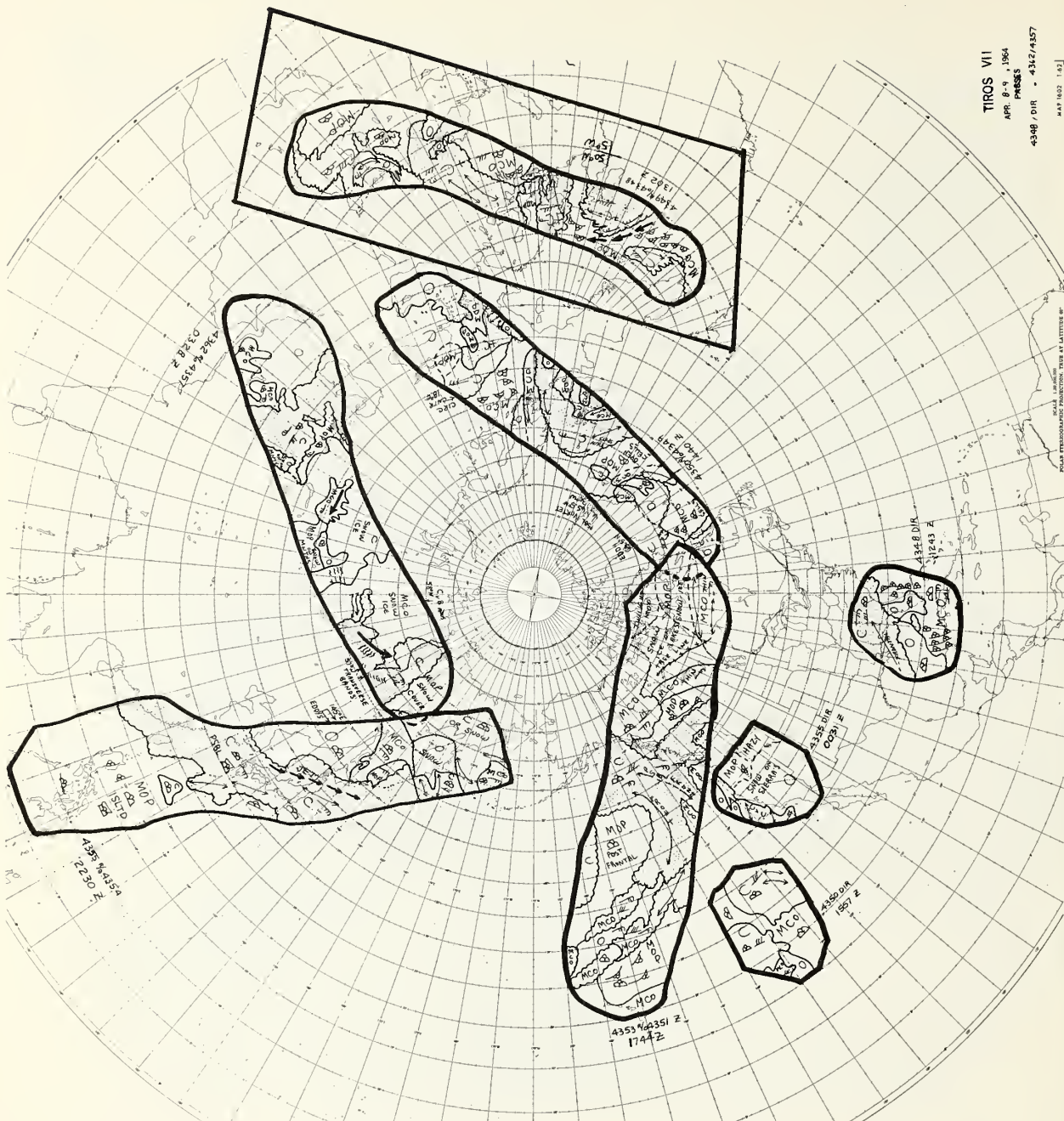


[illegible]

1000 1000 1000



SCALE 1:200,000,000

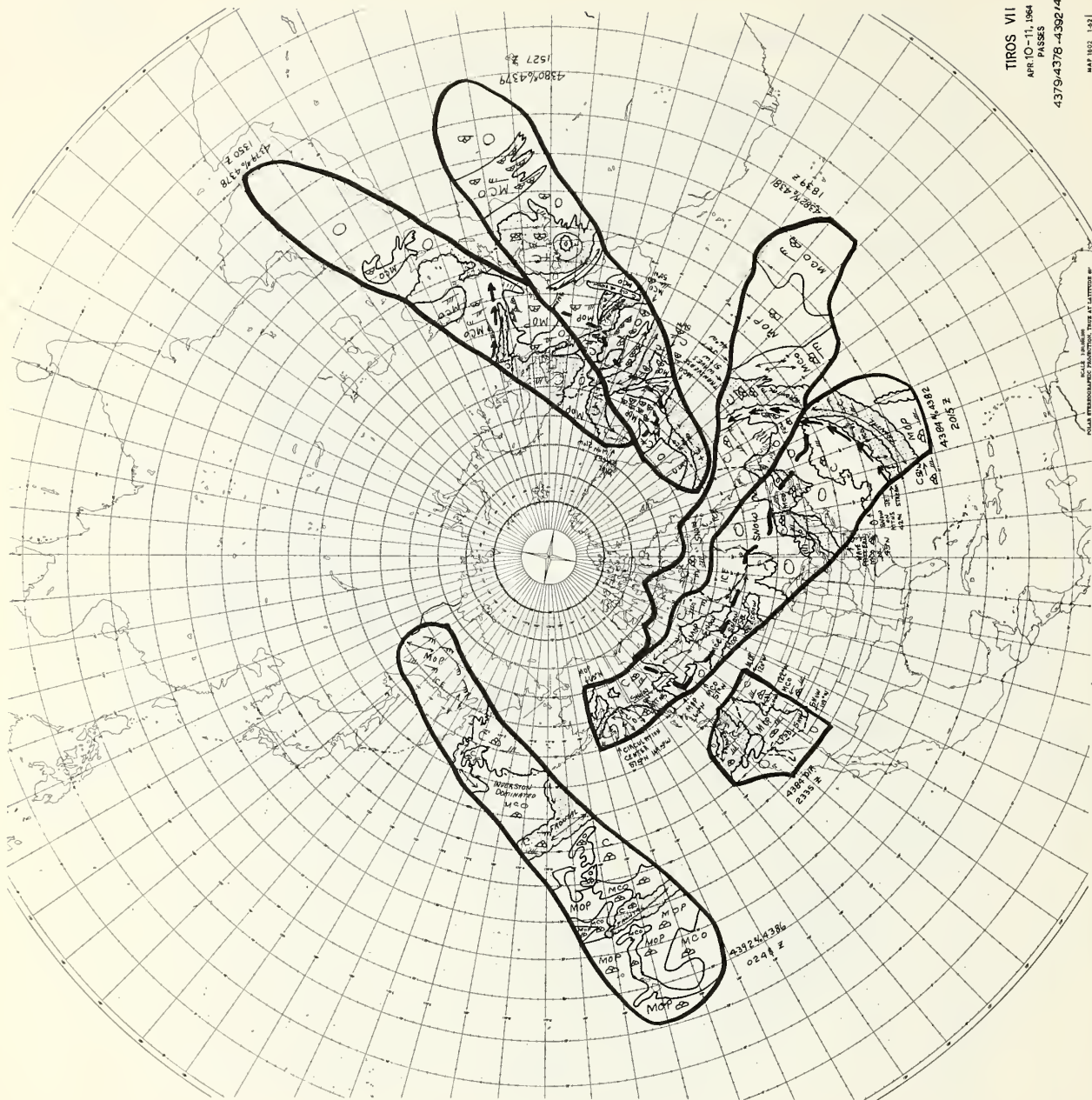


A hand-drawn map on a grid background, likely a nautical chart. The map shows a coastal area with several labels and features:

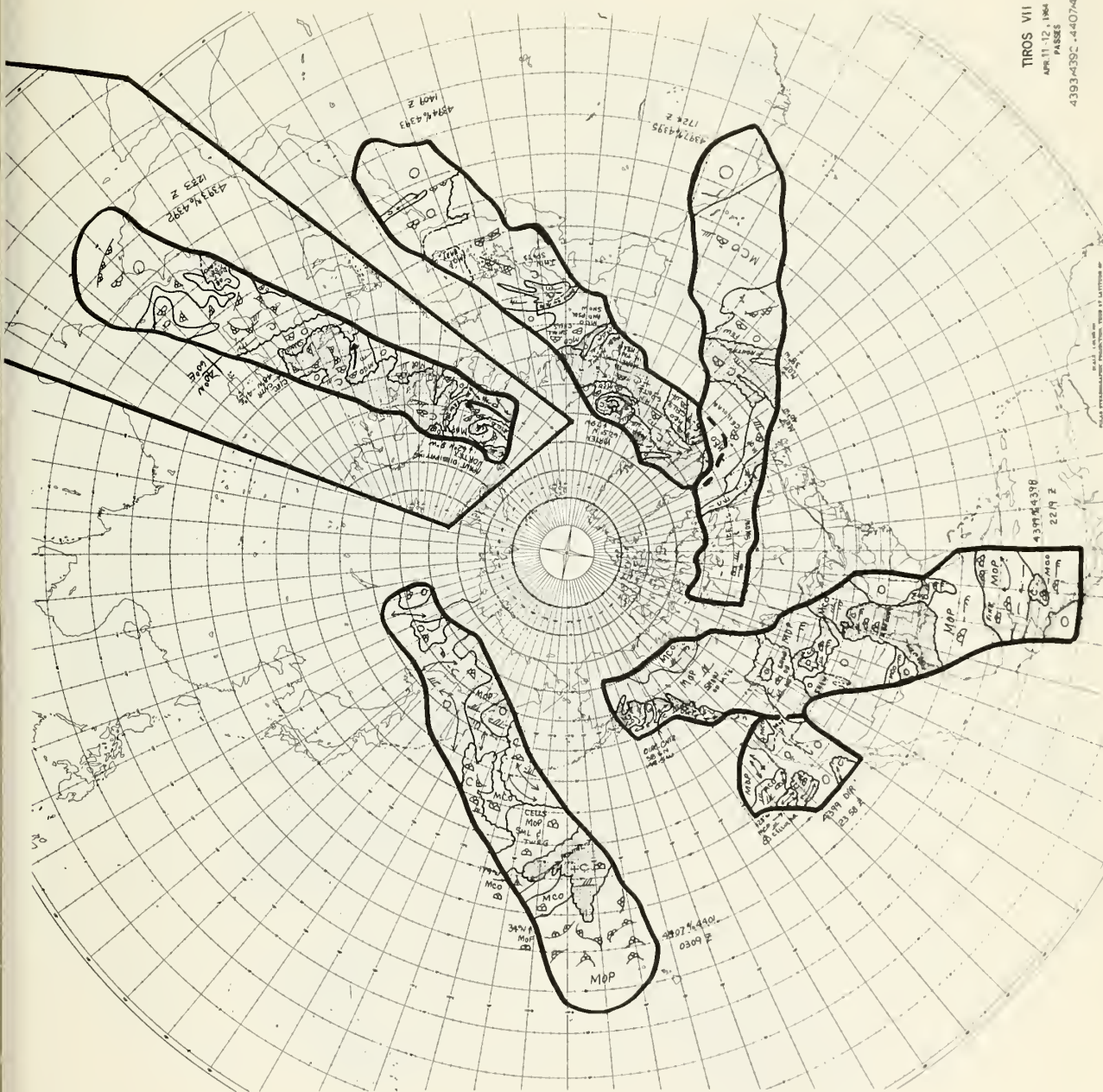
- SHORE**: Labeled with an arrow pointing to the coastline.
- WATER**: Labeled with an arrow pointing to the open water area.
- MCO**: Multiple labels for "MCO" (likely "MCO" or "MCO") are scattered across the map, including "MCO 8000", "MCO 1807", and "MCO 4367".
- Coordinates**: The map includes the coordinates **40°N** and **150°E**.
- Other Labels**: There are also labels like "WATER" and "MCO" in the upper right section of the map.

[illegible]

4365 DR
11623

[illegible]

43934392 .44074401



PR. 12-13. 1964
PASSES

AP 1002 102



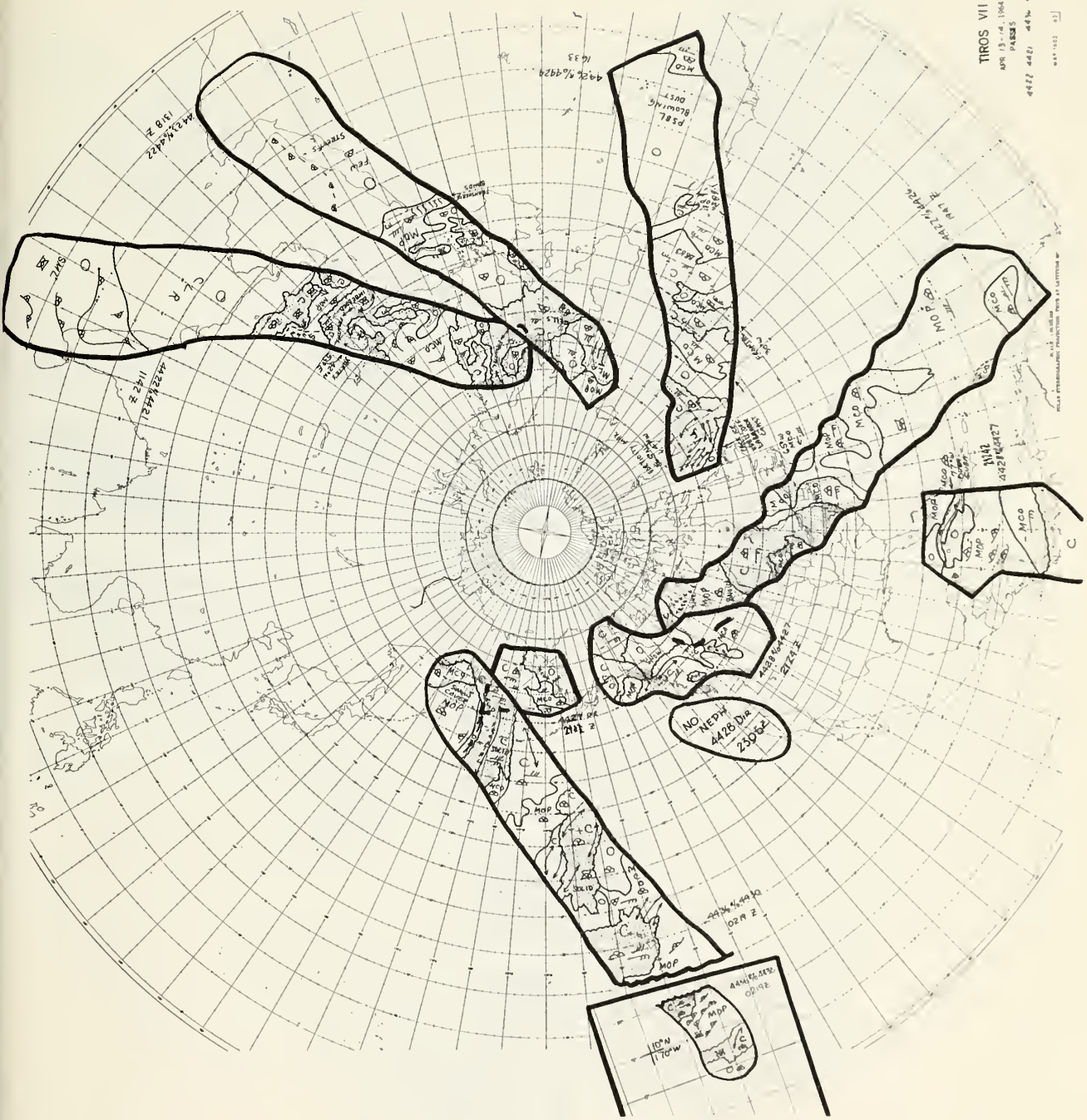
TIROS VII

APR 13-14, 1964

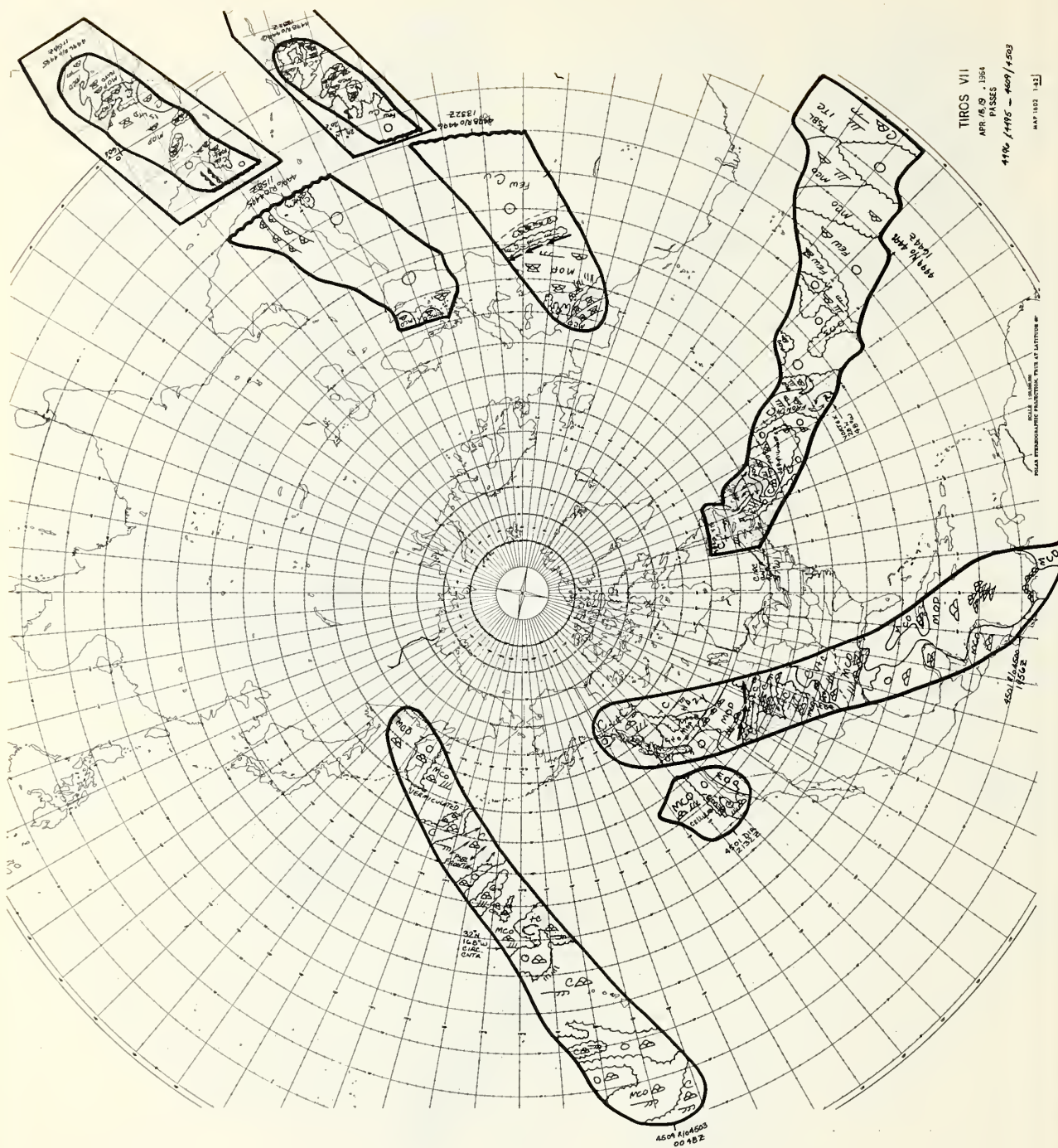
PAGE 5

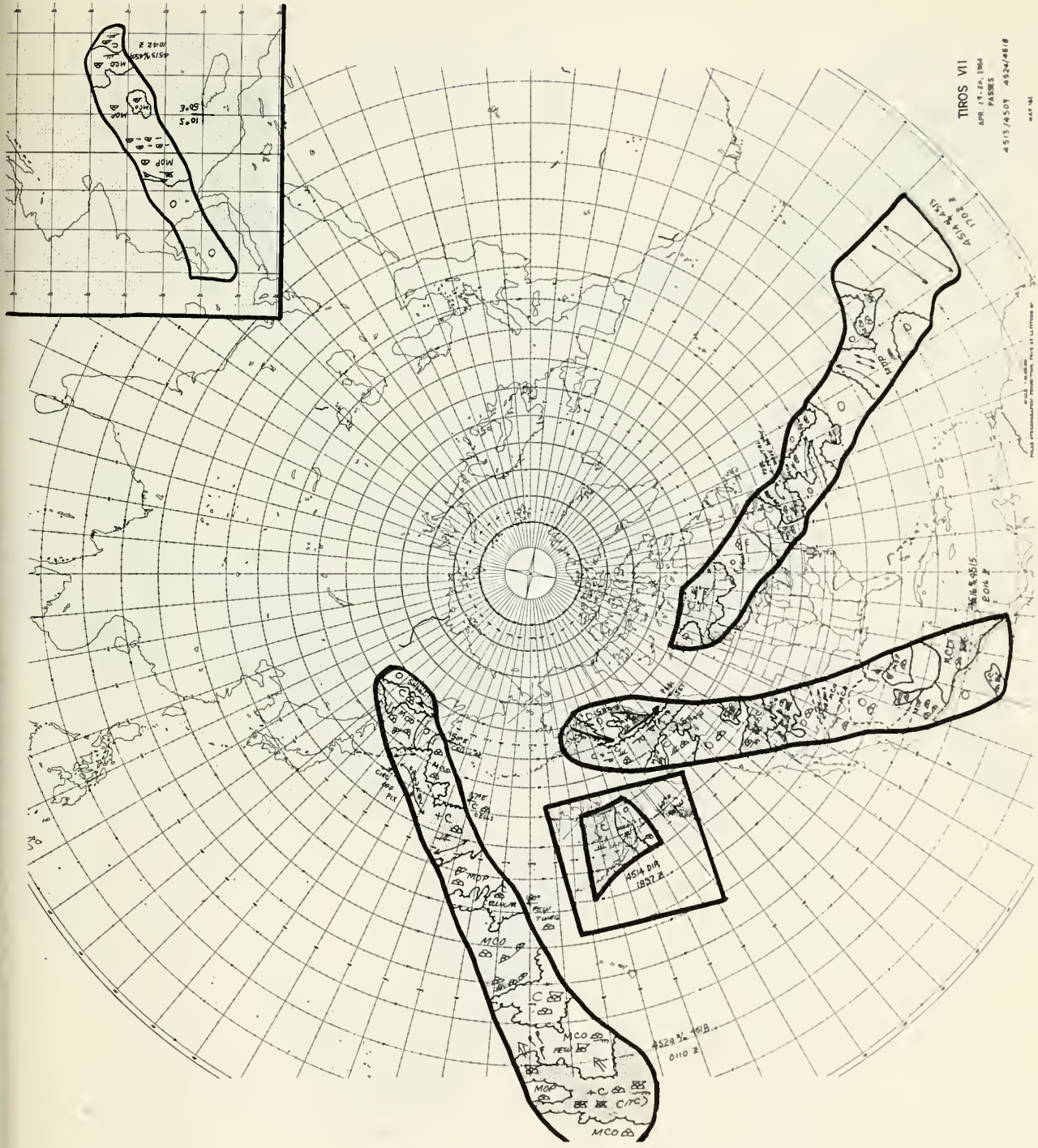
4422 4421 4420 4419

0471021 021

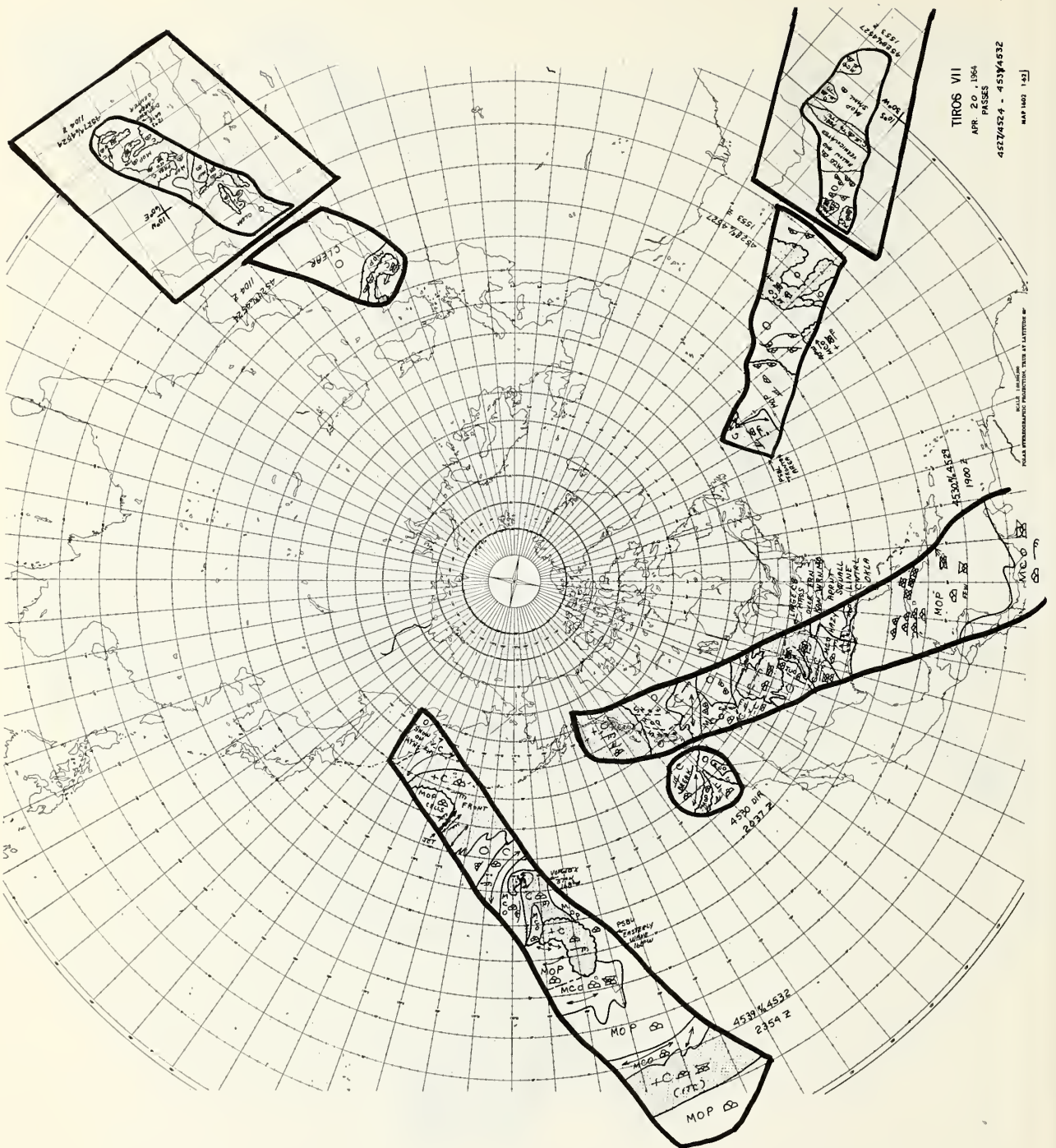


MAP 1002 1-021





— 429 —



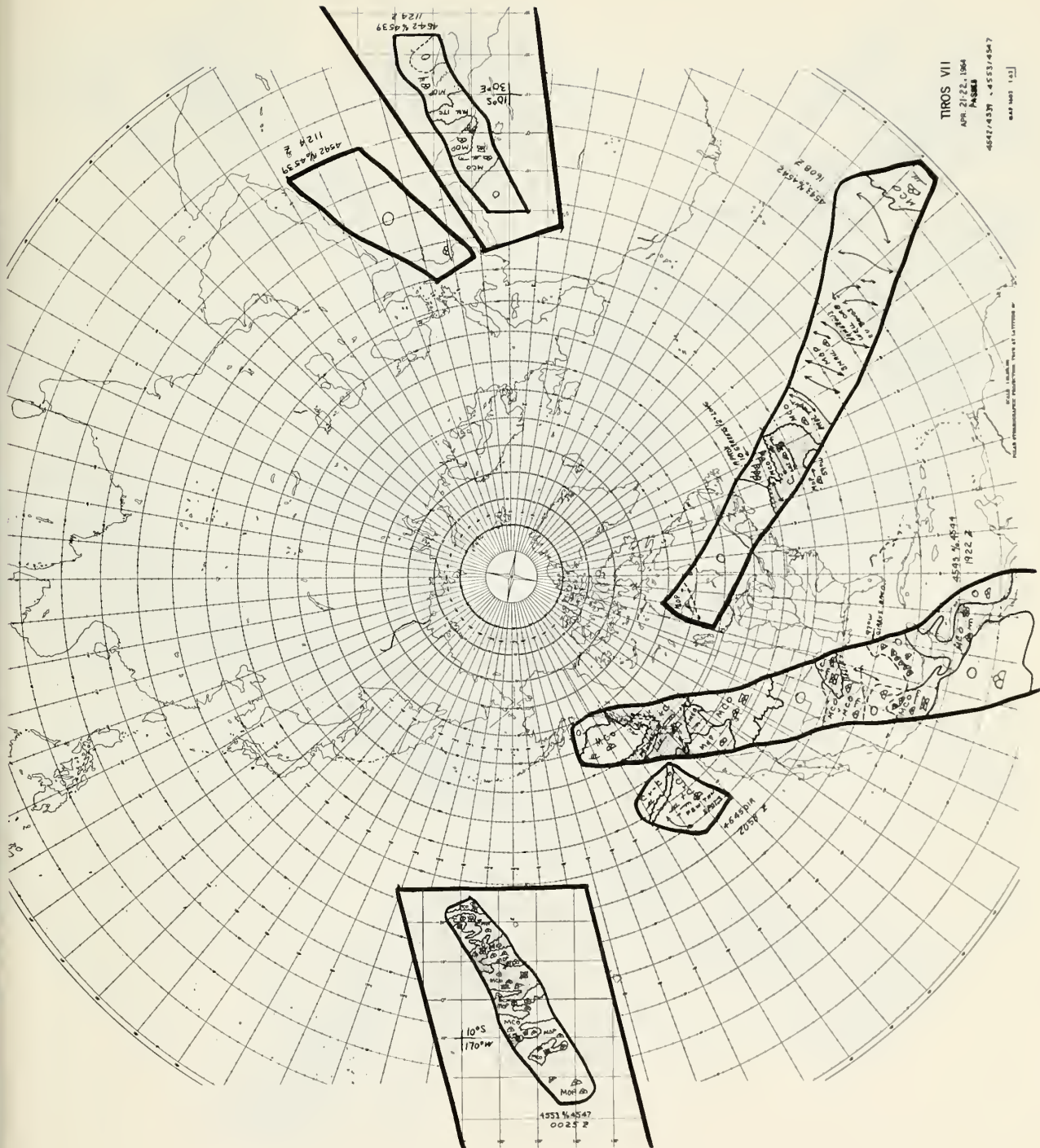
TIROS VII

APR 20, 1964

PASSES

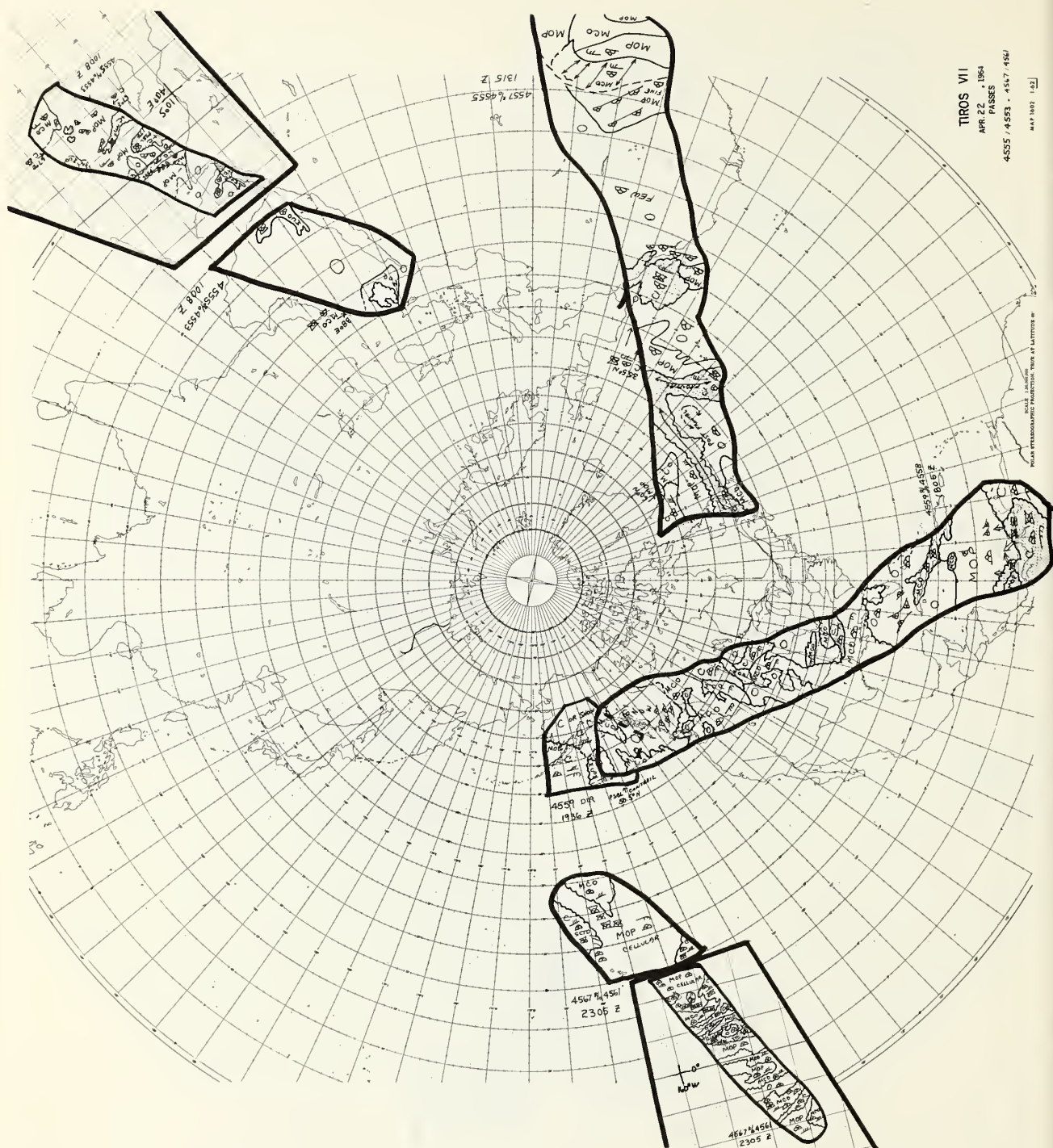
45274524 - 4534632

MAP 1602 1:50

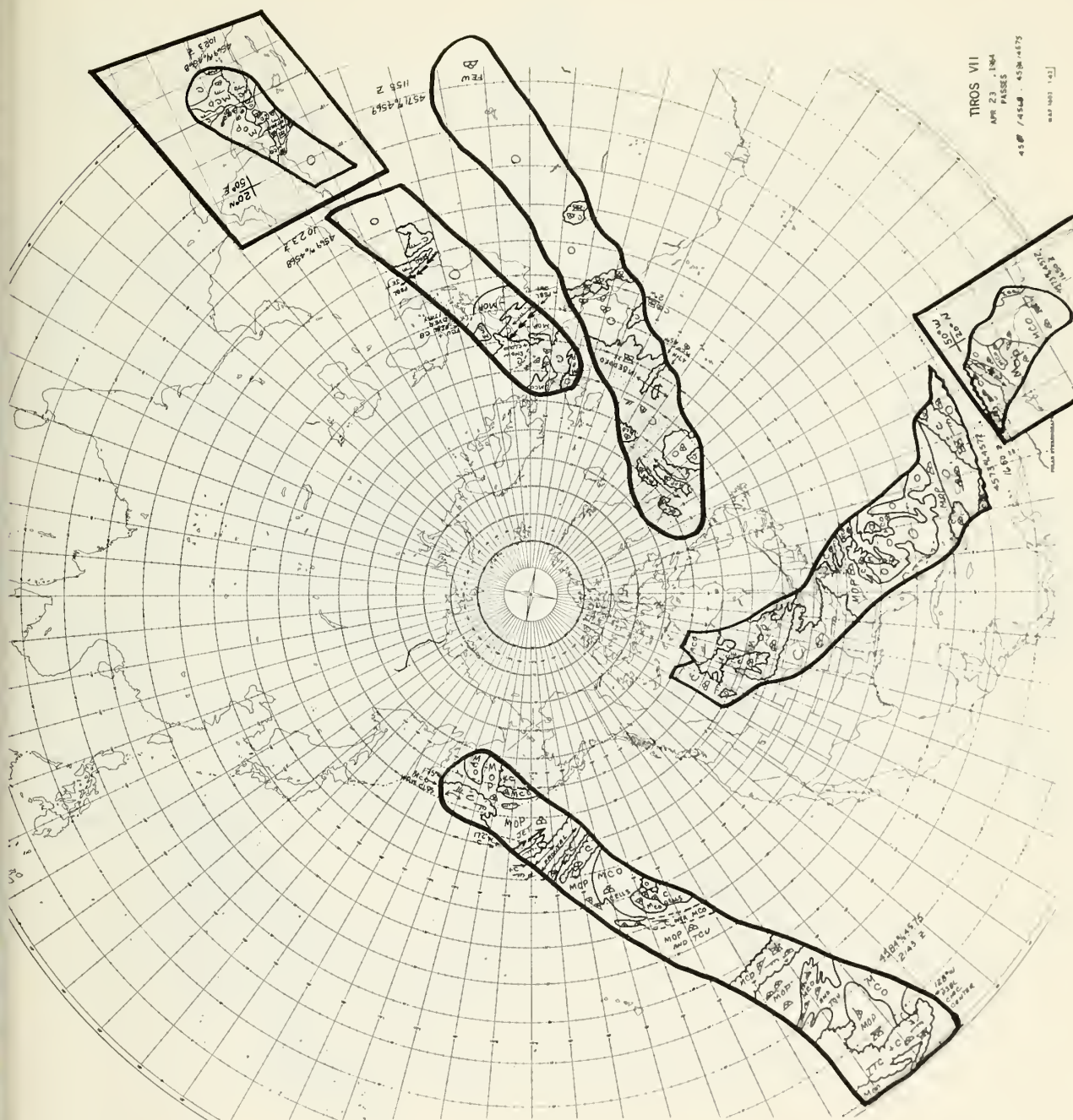


TIROS VII
 APR 21-22, 1964
 PASSE
 4547/4539 1/2 4553/4547
 0023 1/2 0023 1/2

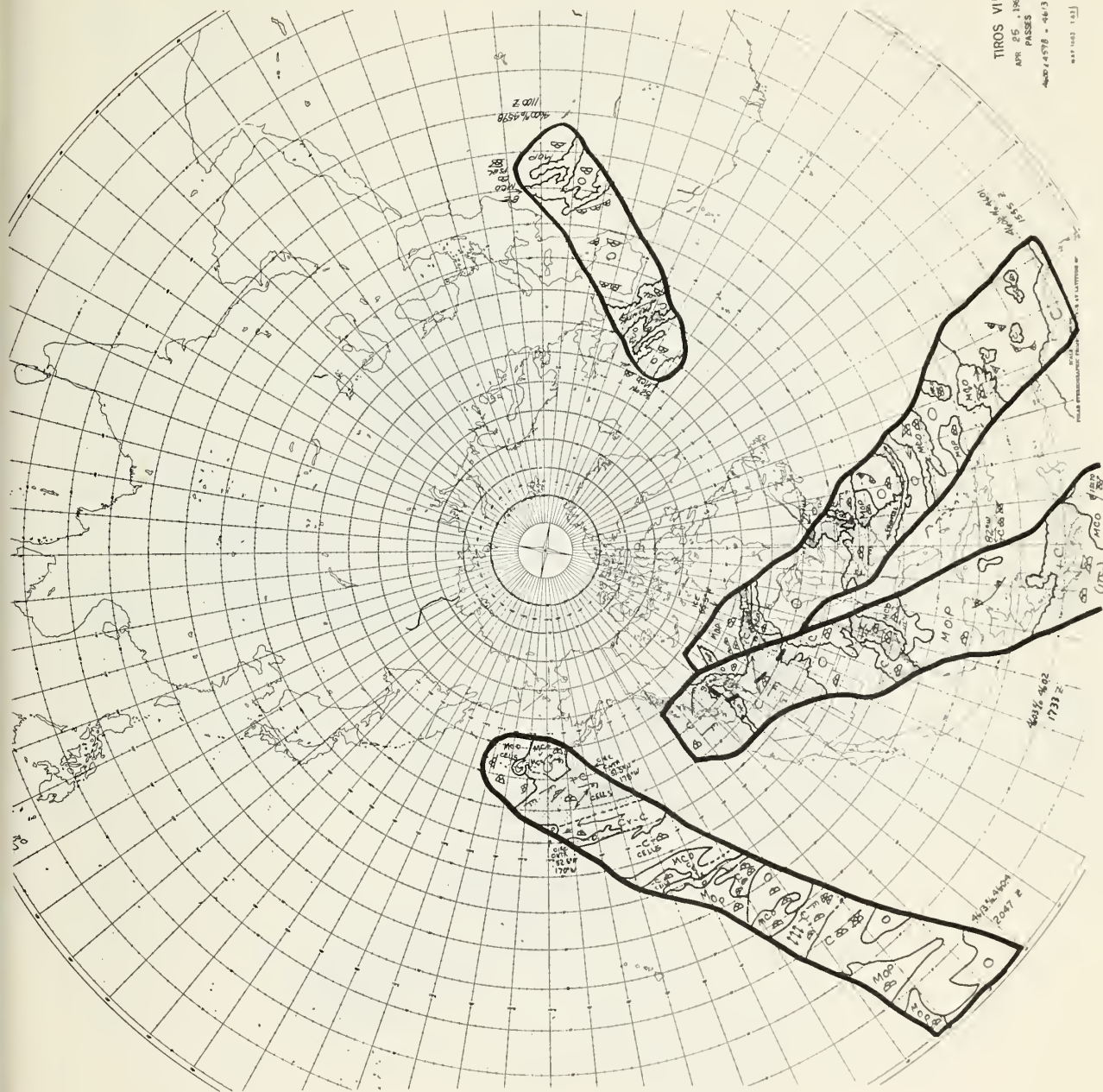
AP 1002 1-62



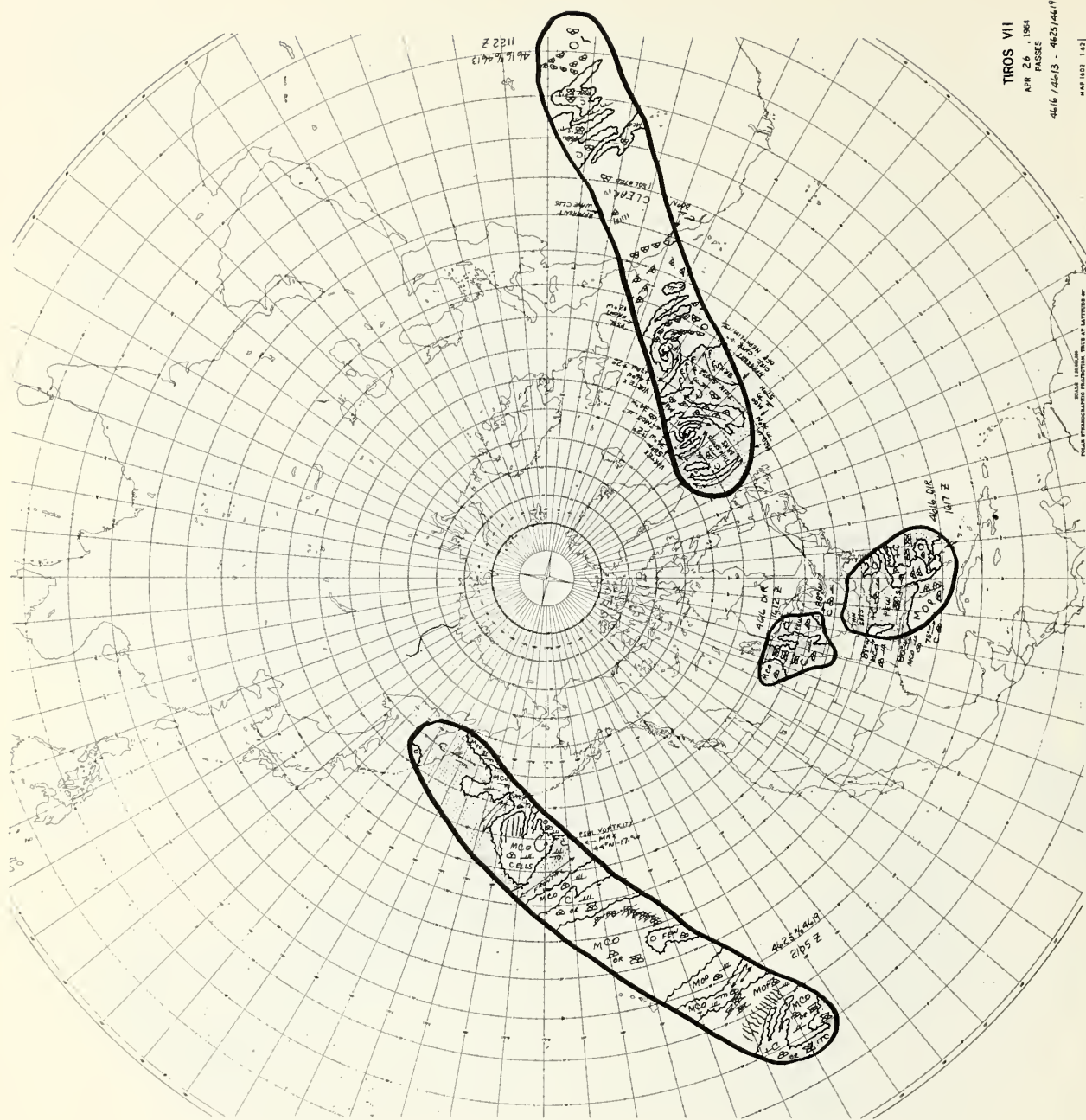
142



1000 1000 1000



SCALE 1:20,000,000



TIROS VII

APR 27 - 1964

PAGES

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4194 4193 4192

4191 4190 4189

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4149 4148 4147

4146 4145 4144

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4125 4124 4123

4122 4121 4120

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4116 4115 4114

4113 4112 4111

4110 4109 4108

4107 4106 4105

4104 4103 4102

4101 4100 4099

4098 4097 4096

4095 4094 4093

4092 4091 4090

4089 4088 4087

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4083 4082 4081

4080 4079 4078

4077 4076 4075

4074 4073 4072

4071 4070 4069

4068 4067 4066

4065 4064 4063

4062 4061 4060

4059 4058 4057

4056 4055 4054

4053 4052 4051

4050 4049 4048

4047 4046 4045

4044 4043 4042

4041 4040 4039

4038 4037 4036

4035 4034 4033

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4026 4025 4024

4023 4022 4021

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4017 4016 4015

4014 4013 4012

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4002 4001 4000

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3958 3957 3956

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3952 3951 3950

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3937 3936 3935

3934 3933 3932

3931 3930 3929

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3925 3924 3923

3922 3921 3920

3919 3918 3917

3916 3915 3914

3913 3912 3911

3910 3909 3908

3907 3906 3905

3904 3903 3902

3901 3900 3899

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3895 3894 3893

3892 3891 3890

3889 3888 3887

3886 3885 3884

3883 3882 3881

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3865 3864 3863

3862 3861 3860

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3844 3843 3842

3841 3840 3839

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3814 3813 3812

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3715 3714 3713

3712 3711 3710

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3706 3705 3704

3703 3702 3701

3700 3699 3698

3697 3696 3695

3694 3693 3692

3691 3690 3689

3688 3687 3686

3685 3684 3683

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3679 3678 3677

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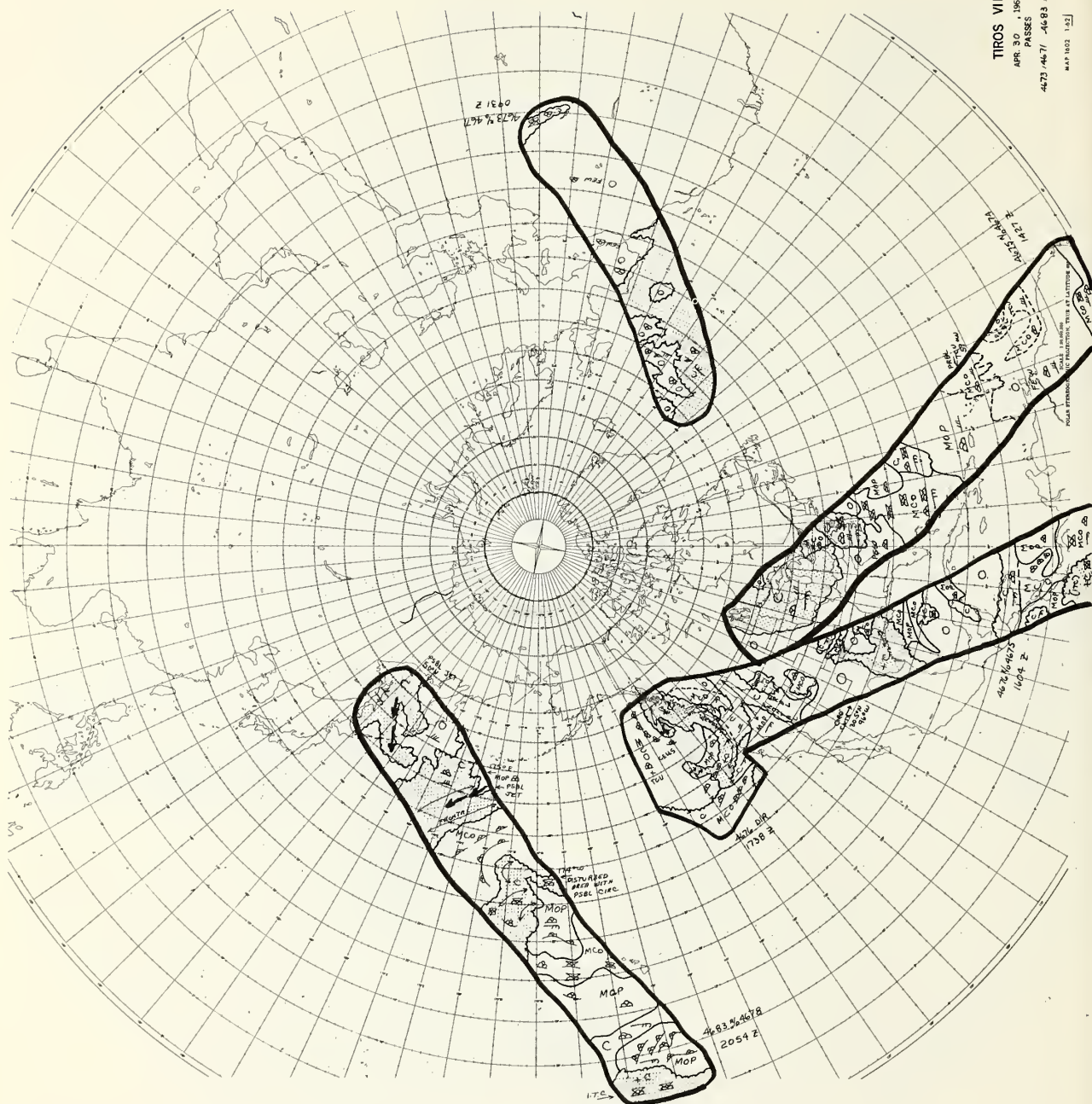
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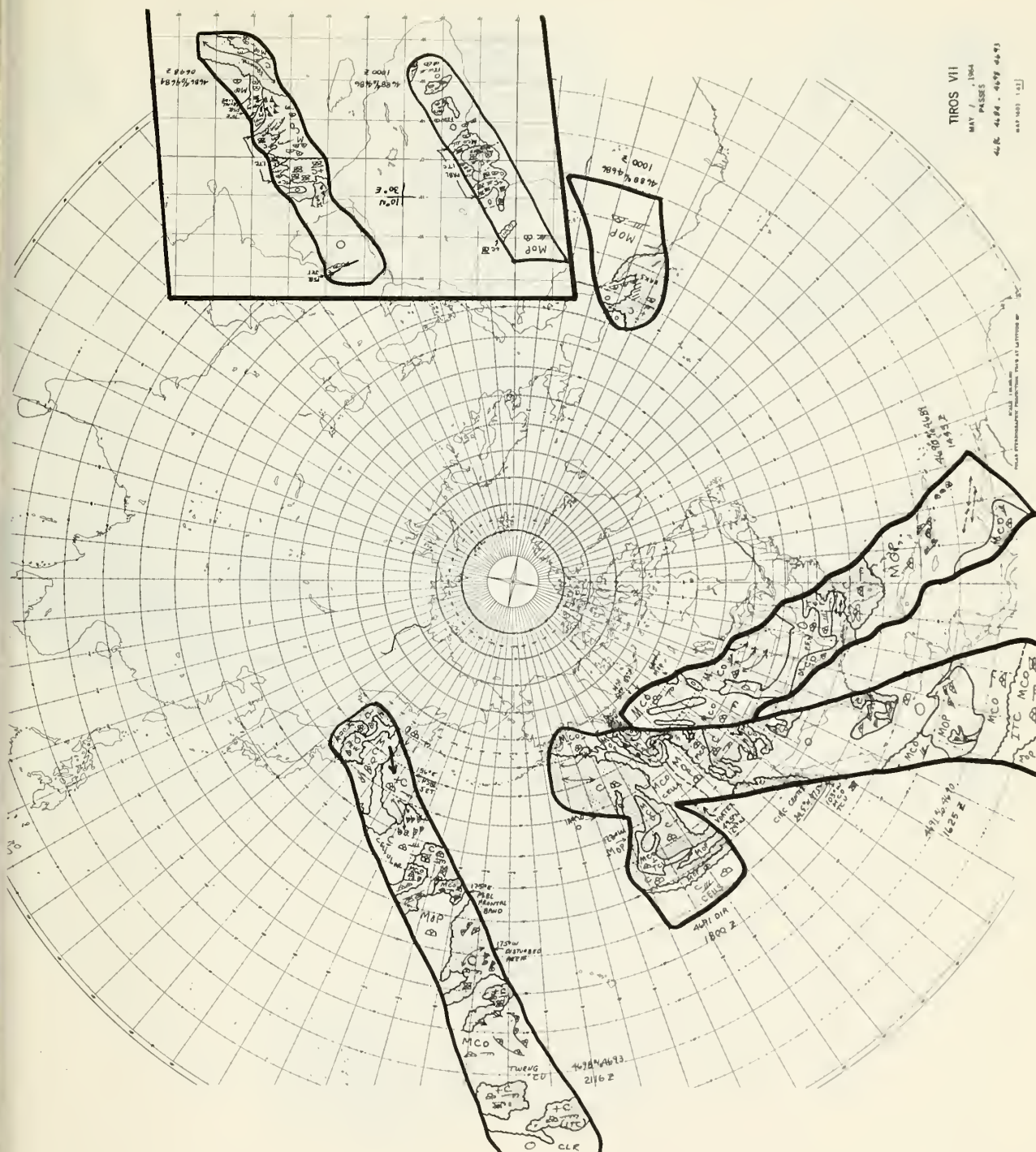
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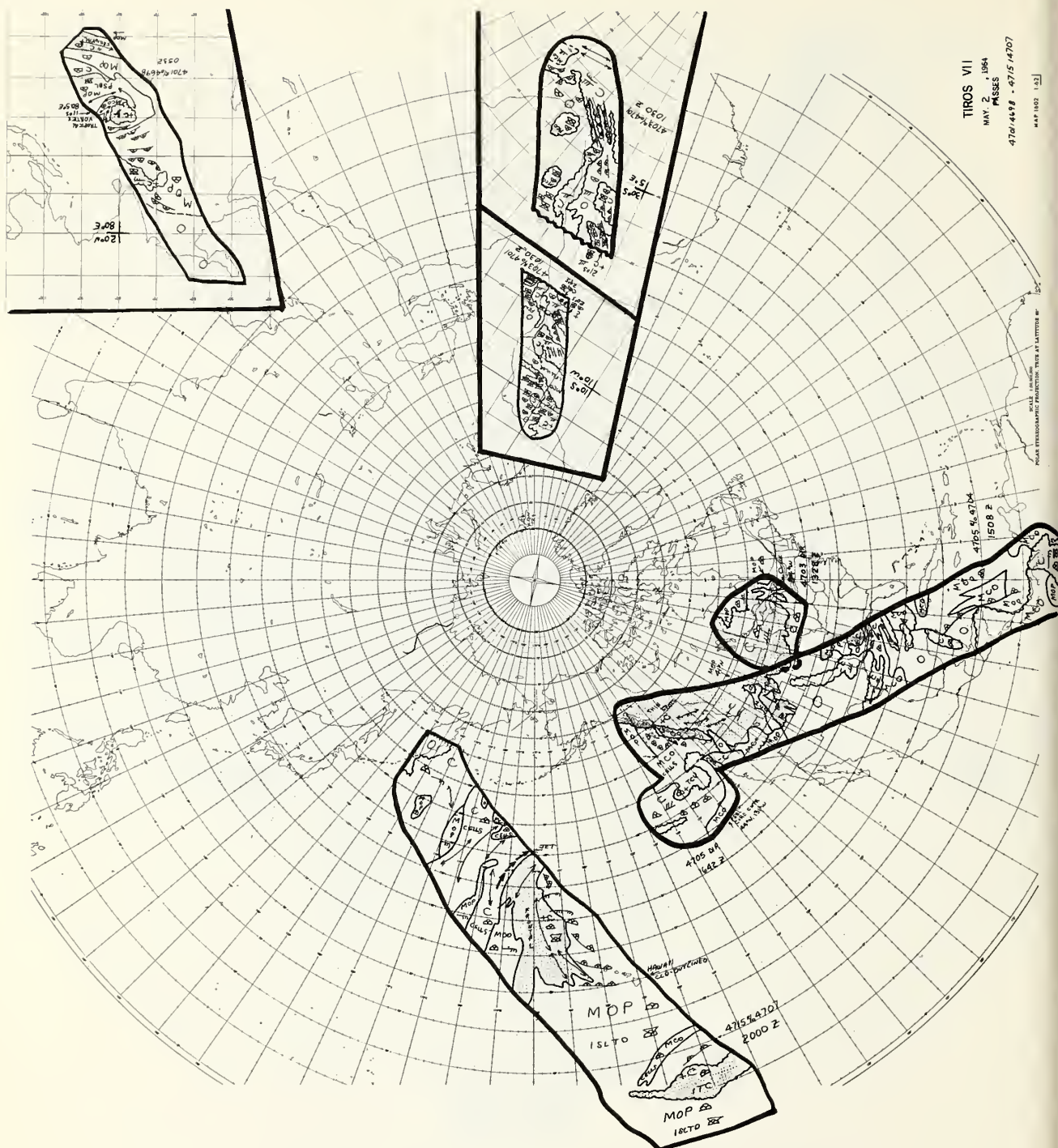
AP 1002 1.62

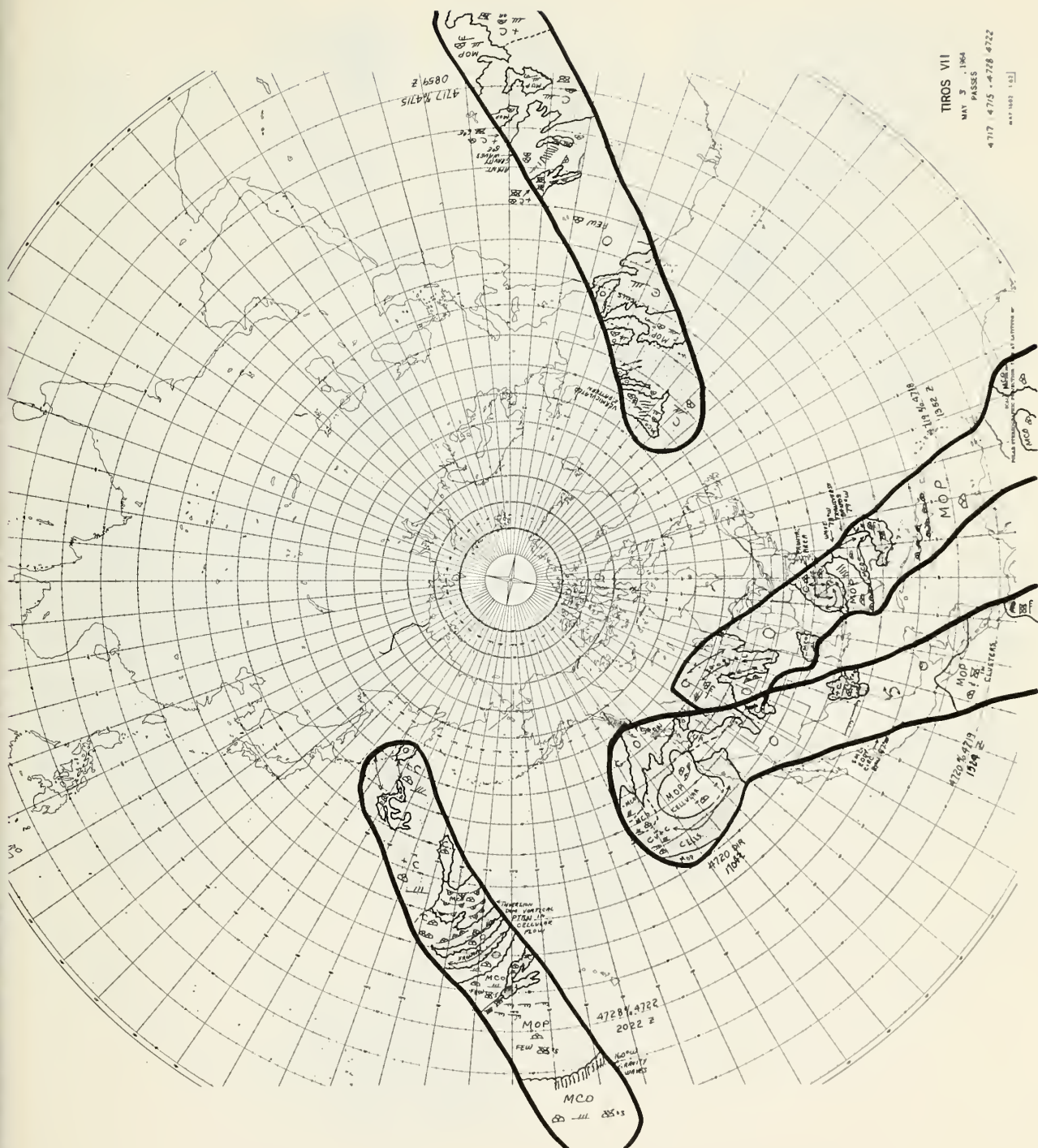


100



SCALE 1 IN. = 100,000





TIROS VII

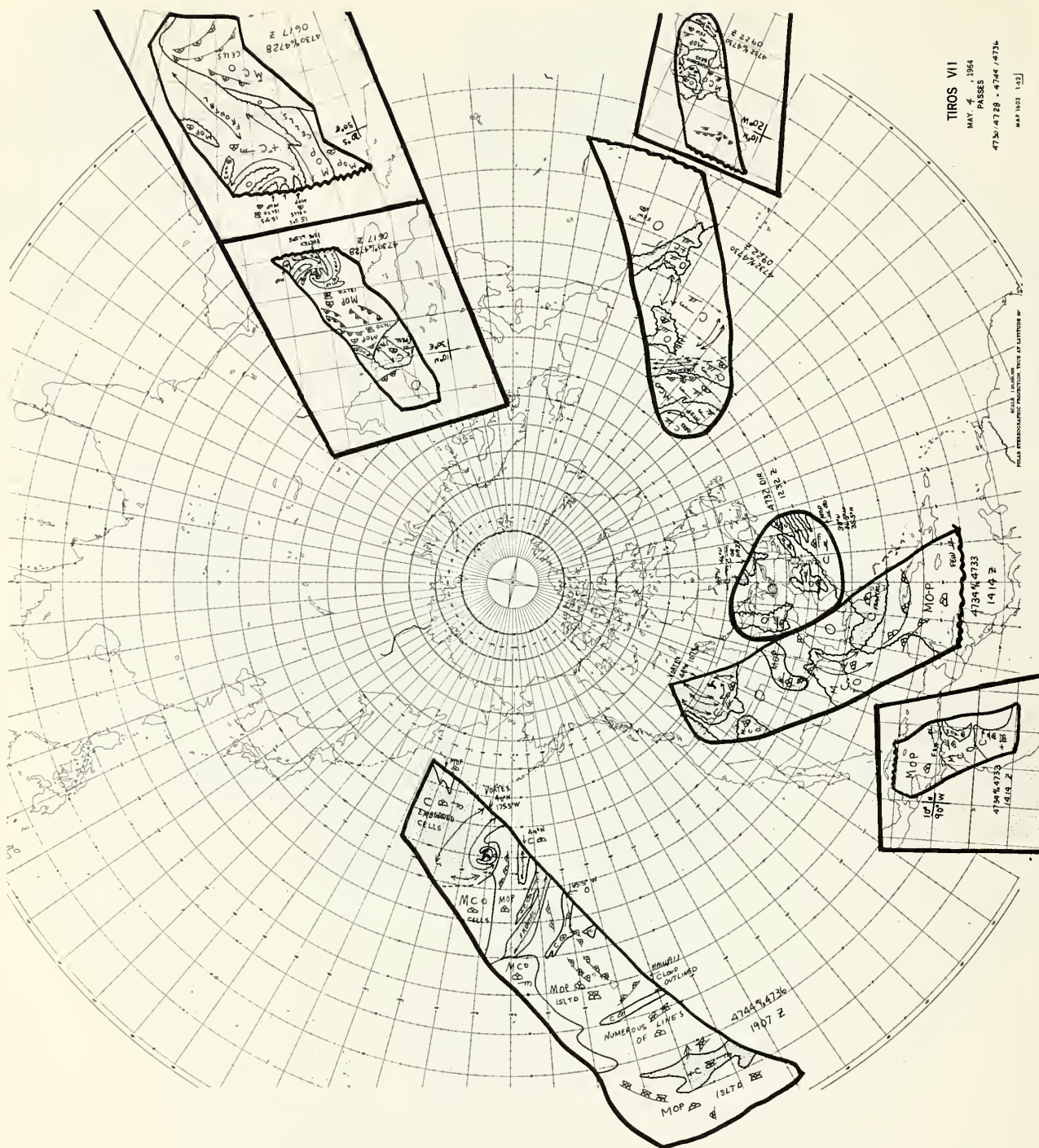
MAY 3 1964
PASSER

PASSES
4717 4715 - 4728 4722

100

4730/4728 - 4744/4736

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POLAR STEREOGRAPHIC PROJECTION, TRUE AT LATITUDE 40°



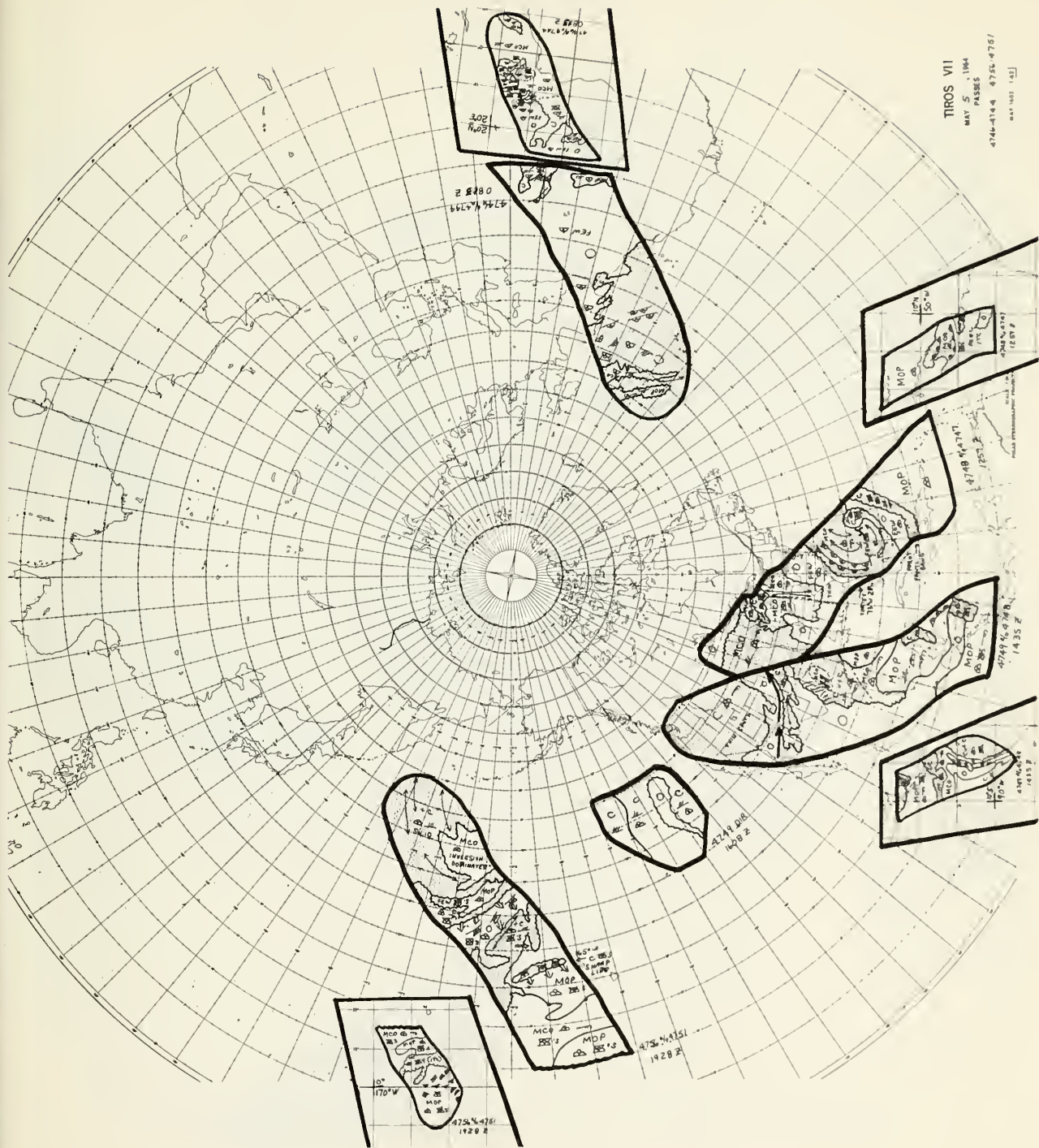
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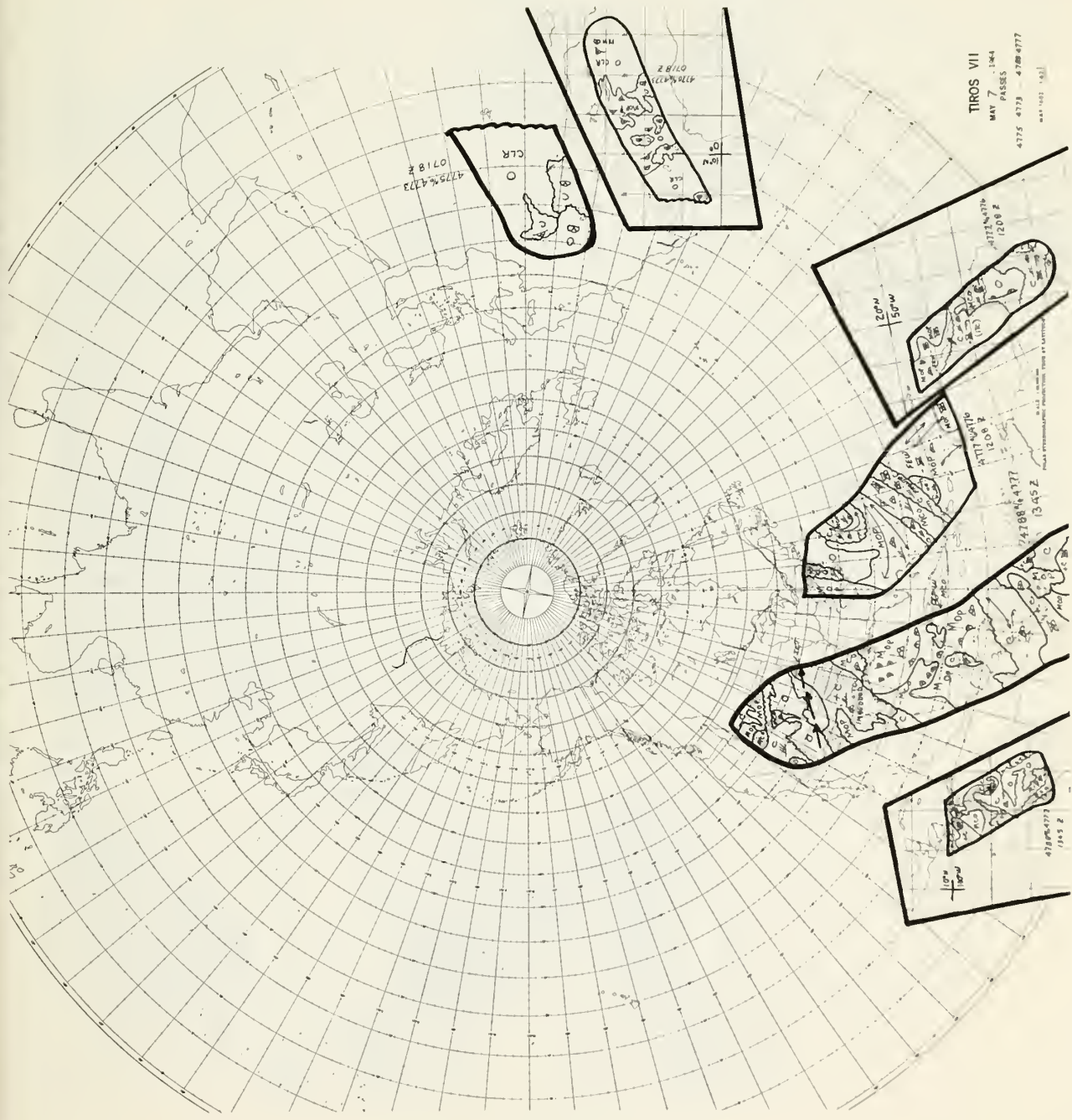
MAY 5, 1964

PAGES

4740-4744 4750-4751

0001-0001 1001





4775-4773
0718 Z

CLR

4775-4773
0718 Z

CLR

TIROS VII
MAY 7 1964
PASSES
4775 4773 - 4778 4777
MAY 1963 '63

4775-4773
1208 Z

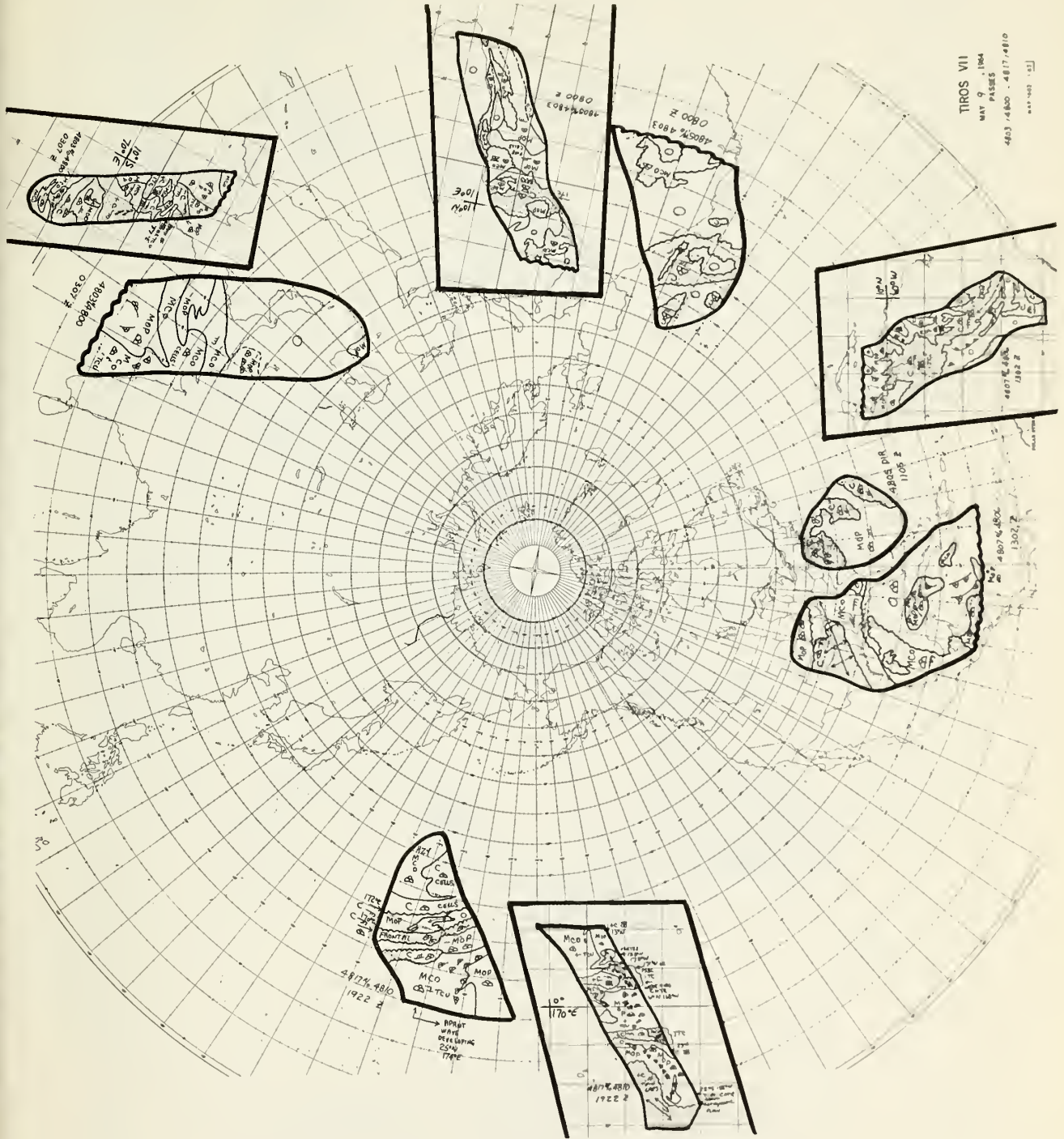
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1208 Z

4775-4773
1345 Z

4775-4773
1645 Z

4775-4773
1208 Z

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1645 Z

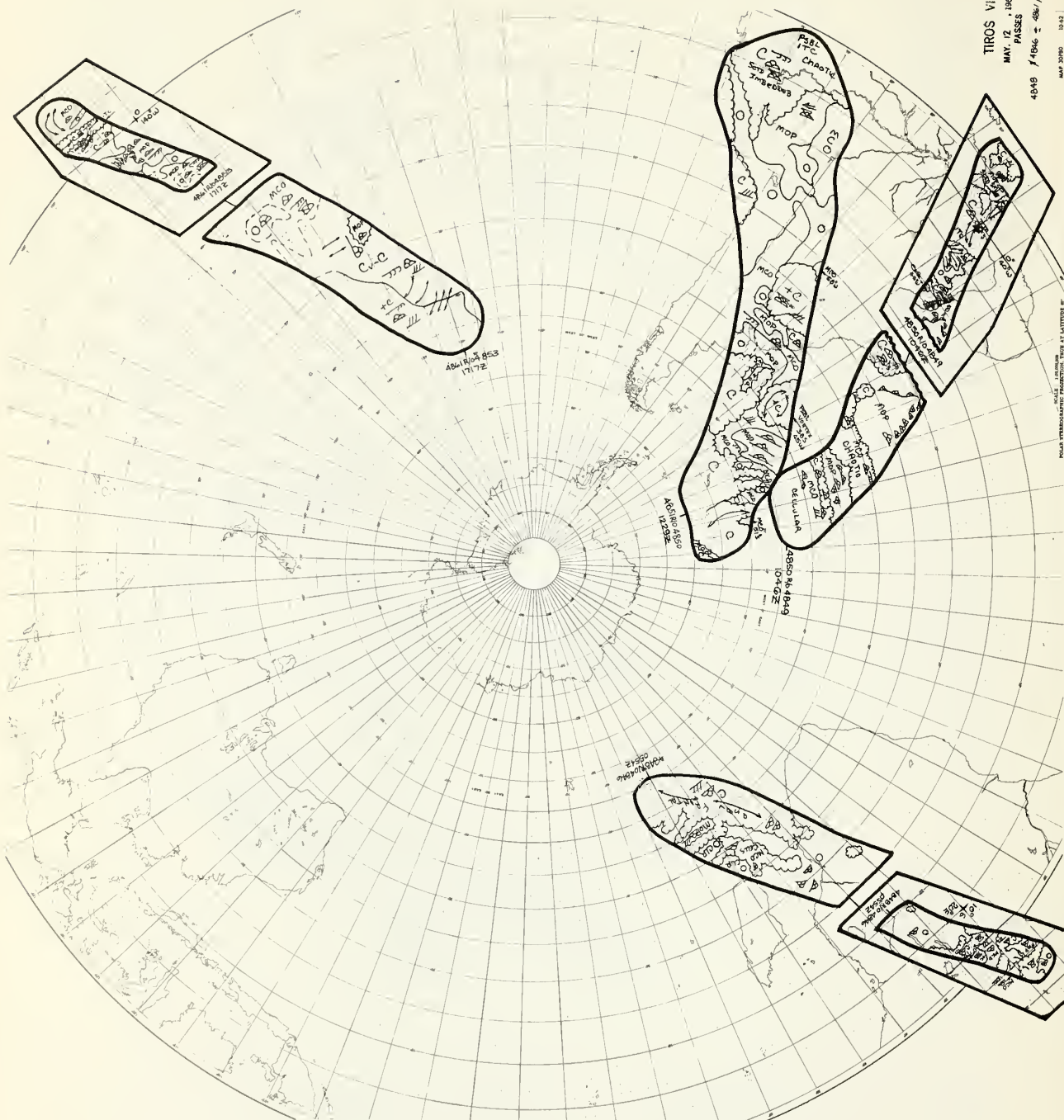






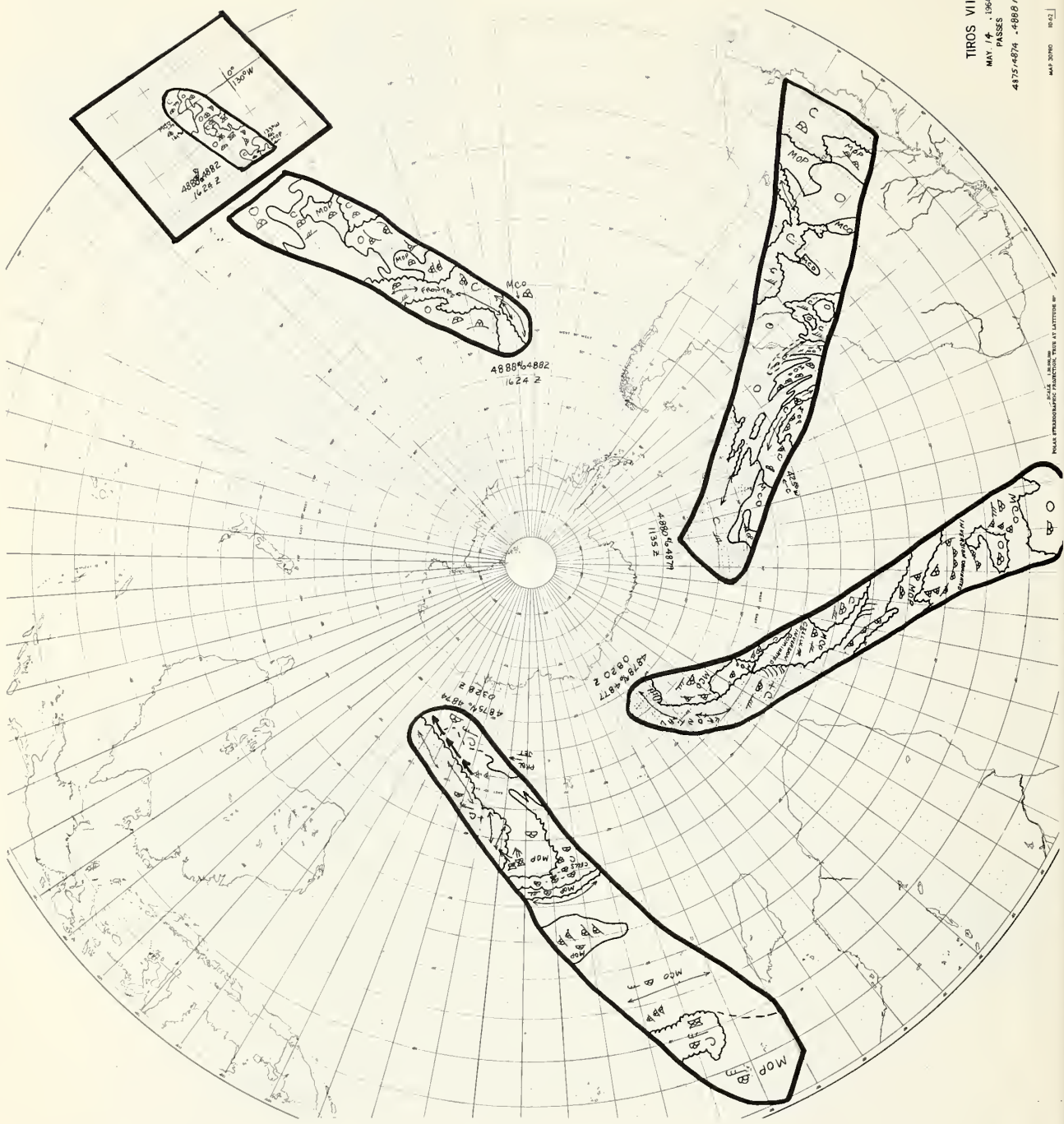
MAY. 12, 1964
PASSES

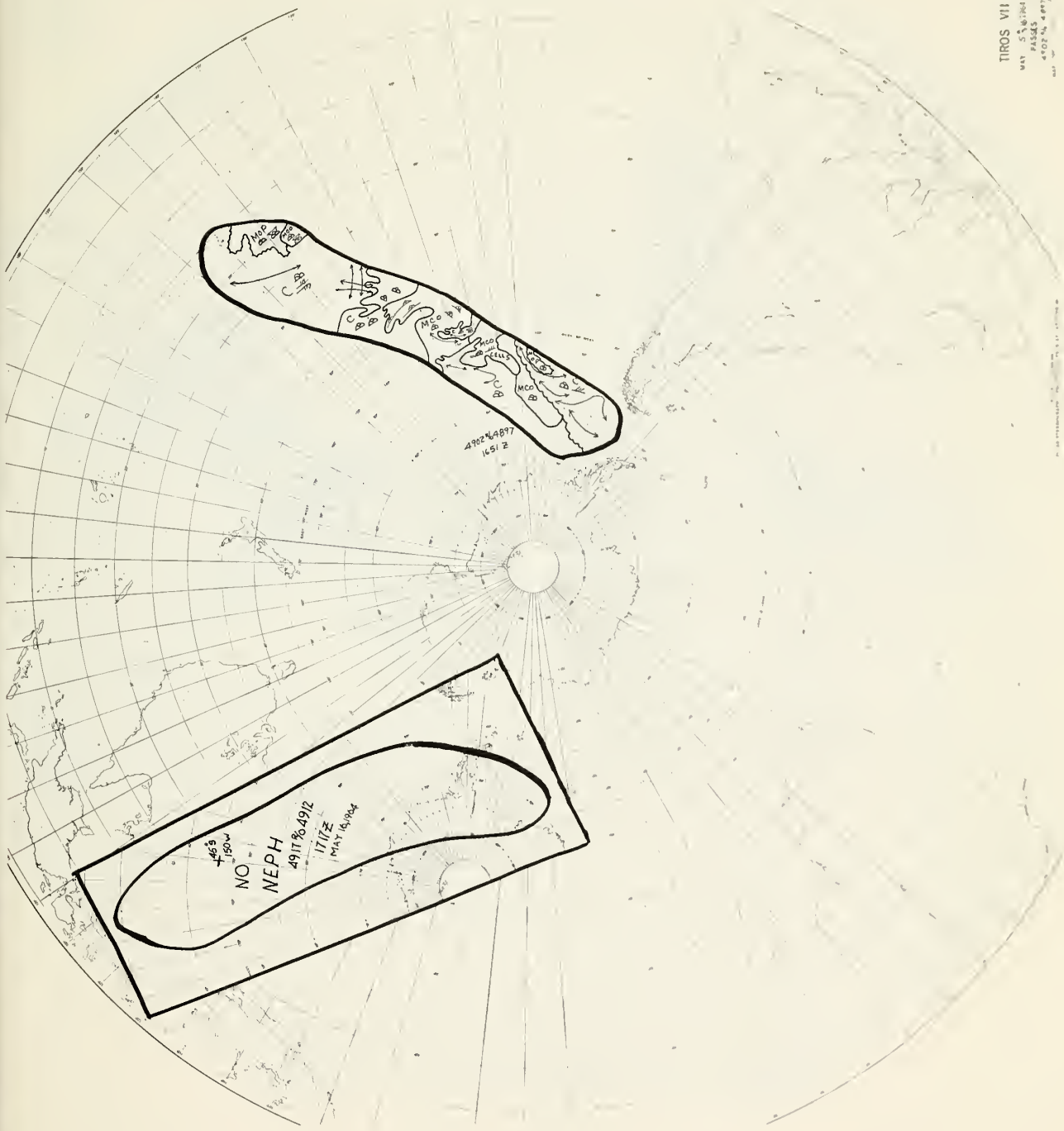
MAP 30M00 10.42]



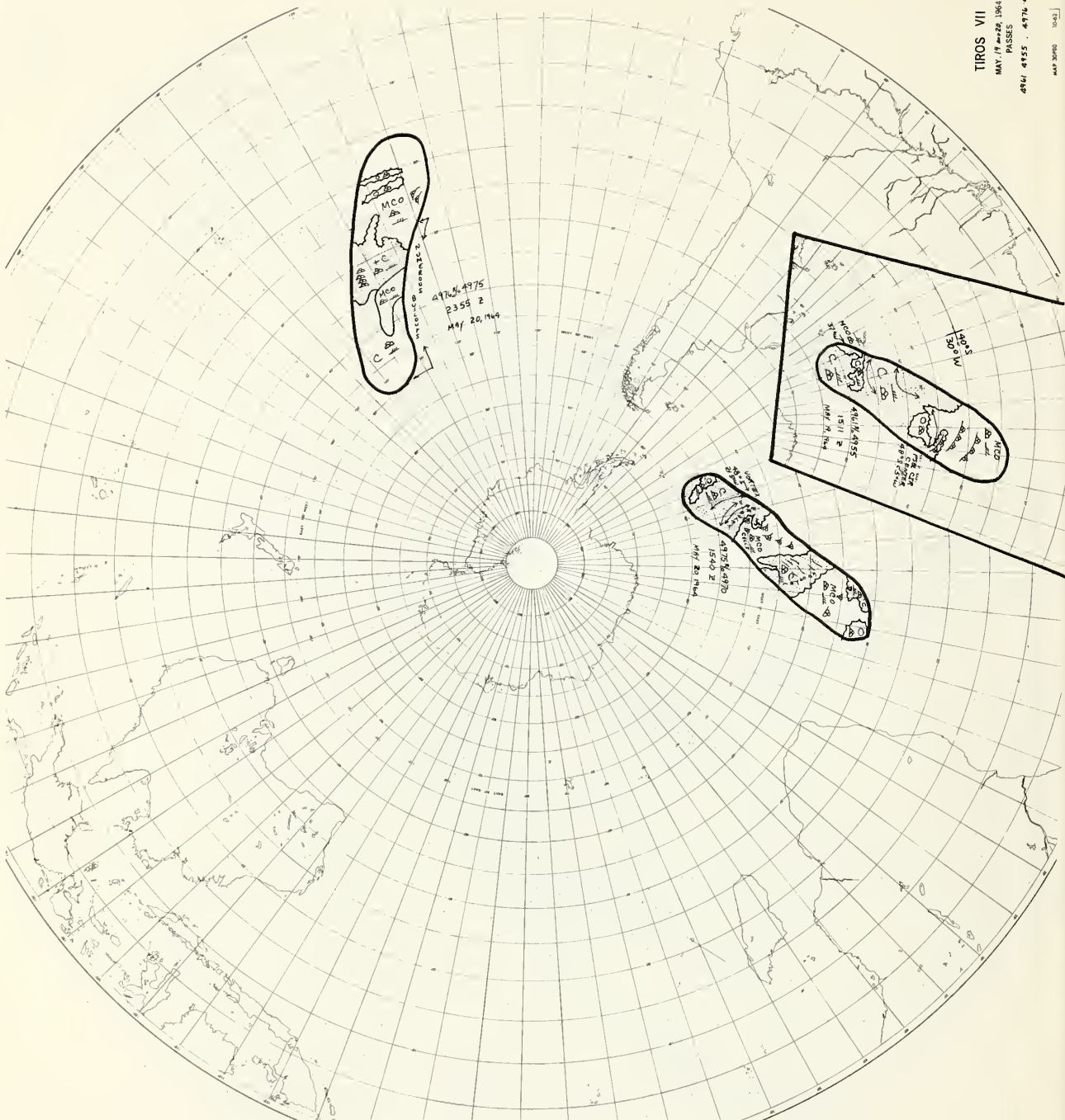
TIROS VII
MAY 14 - 1964
PASSES
4875/4874 -4886/4882

MAP 20780 10-2





TIROS VII
MAY 25 1964
PAGES
45074 499/007402

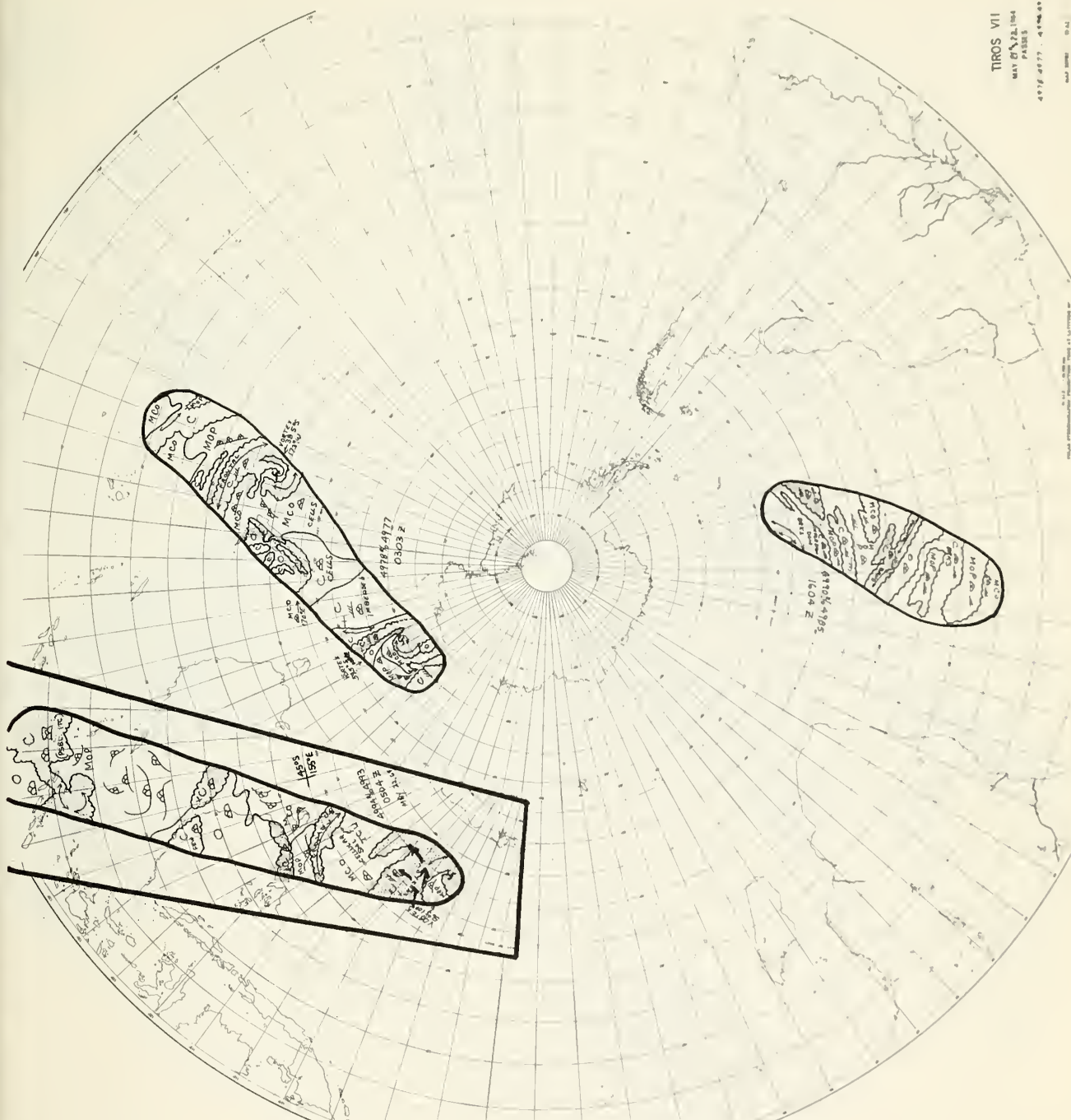


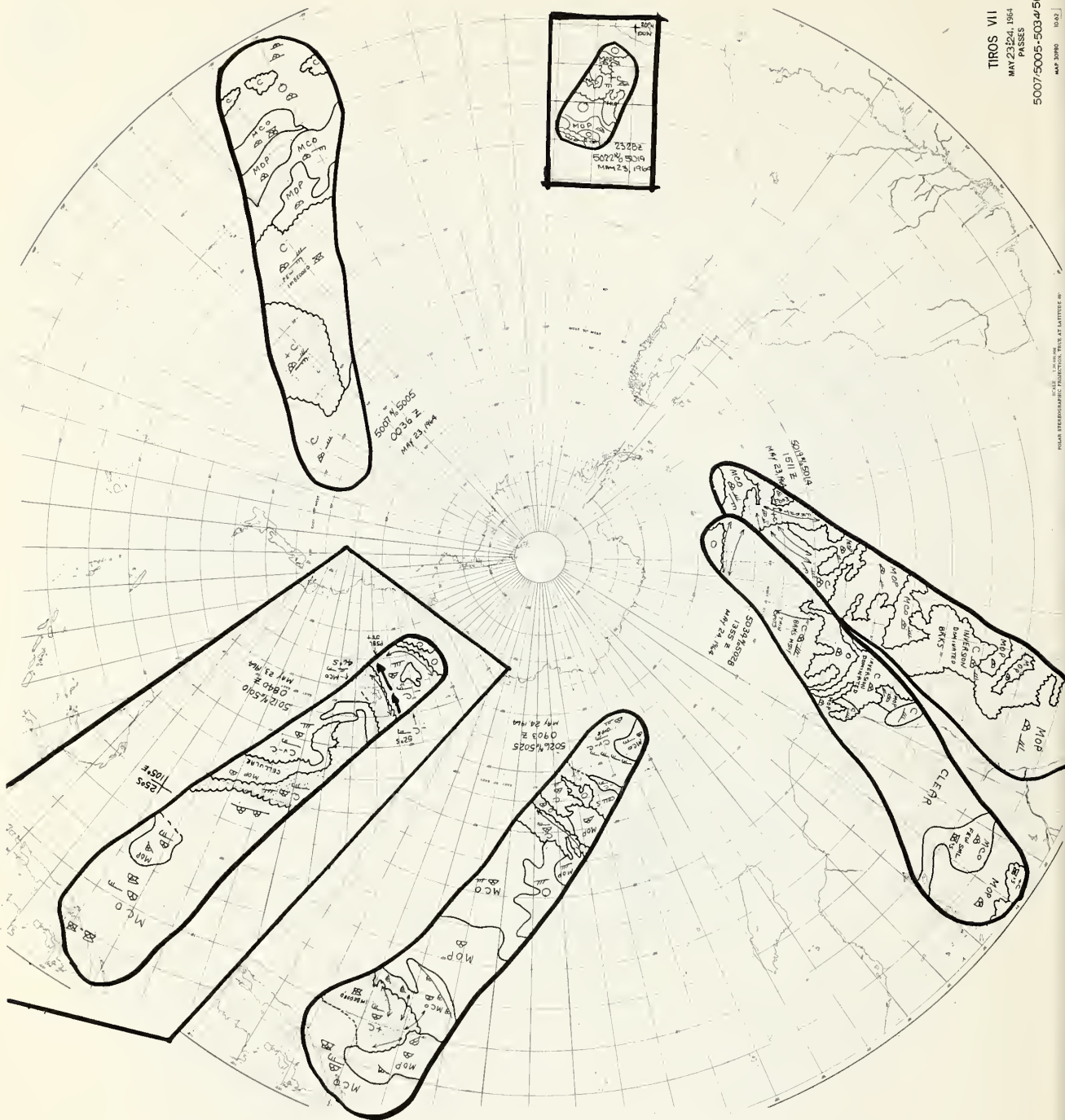
TIROS VII

MAY 19 0000 1964

49N 4155 - 49N 4175

MAP 5010 10-5





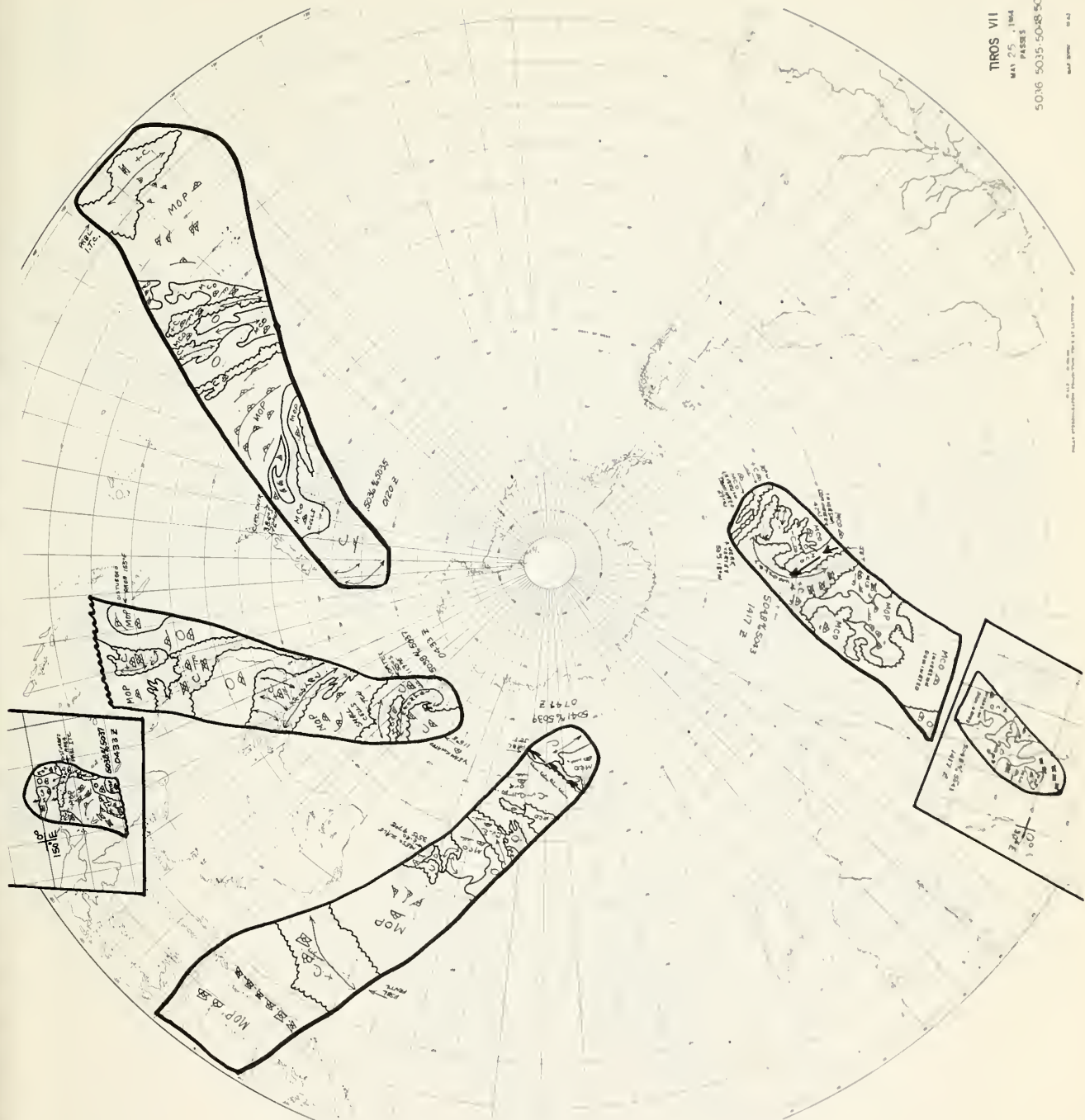
TIROS VII

MAY 25, 1964

PAGES

5016 5035-5048 5043

NO. 42



TIROS VII

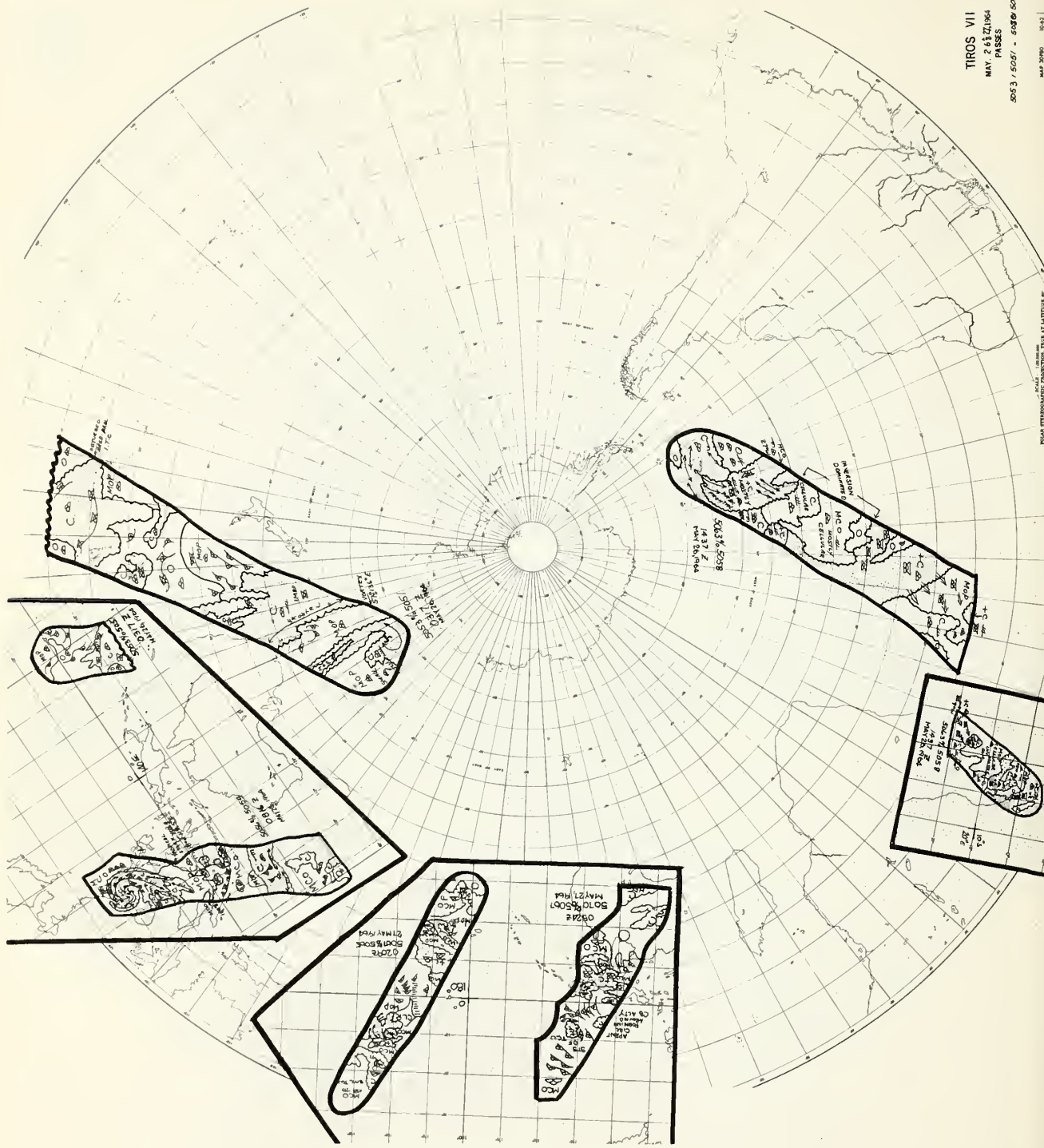
MAY 24 1200G

PAGES

5053 / 5057 - 5059 5067

MAY 20 1966

WORLD METEOROLOGICAL TRANSMISSION TELA AT LATITUDE 40°

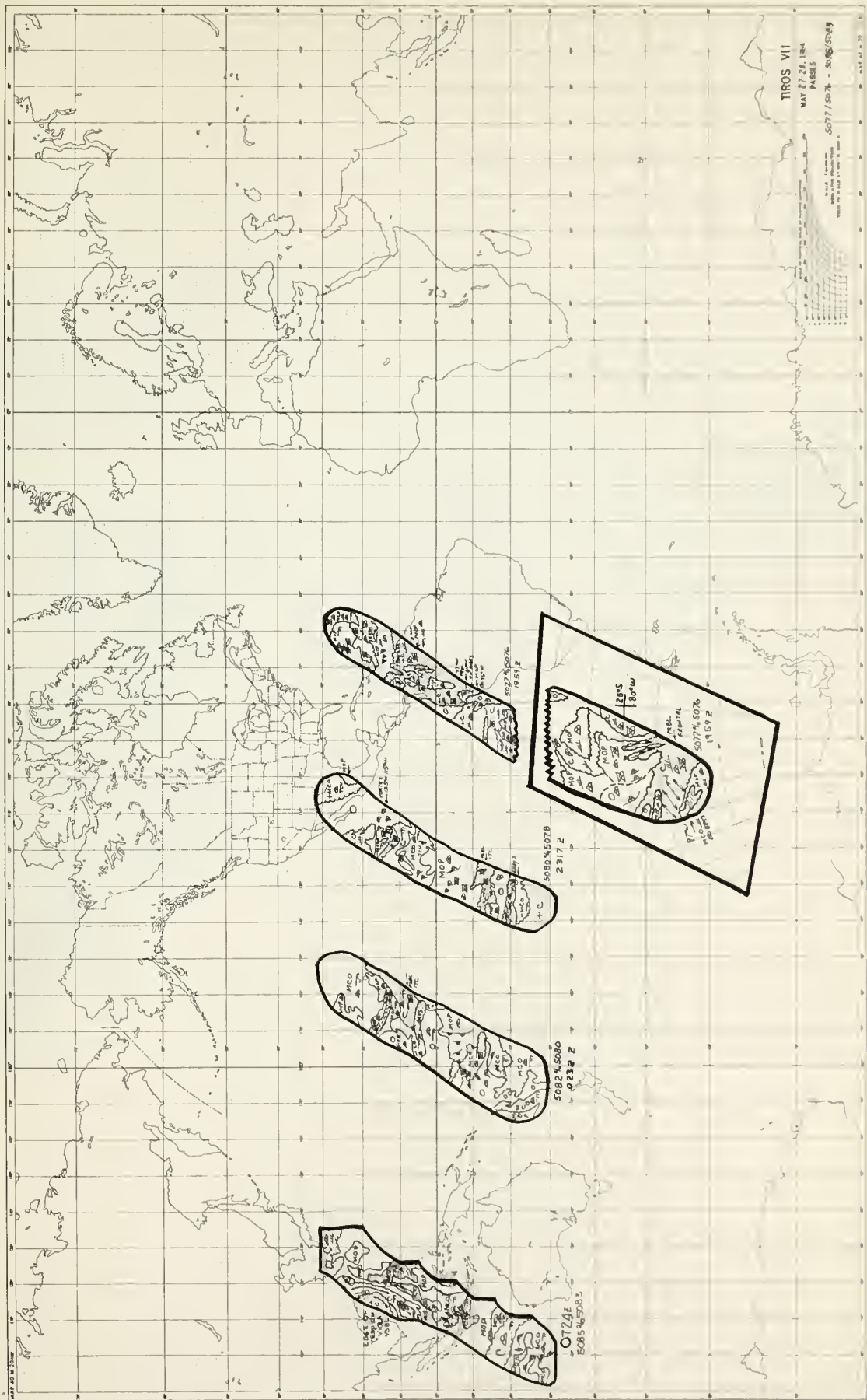


TIROS VII

MAY 27, 1964

PASSES

5077/5078 - 5085/5086



[illegible]

SCALE 1:20,000,000



TIROS VII

MAY 29-30, 1964

PASSES

5107 / 5105 - 5104 5112

SCALE 1:100,000
RELATIVE POSITION
FROM 10°N 40°W TO 10°N 10°W

MAY 29 1964 12:41

TIROS VII

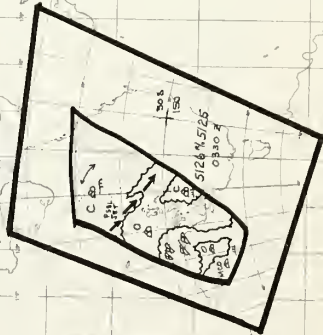
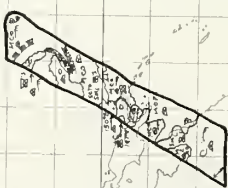
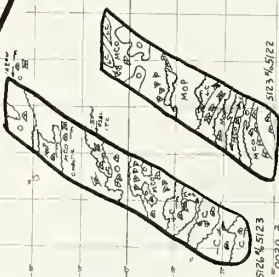
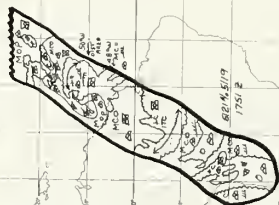
MAY 30-31, 1964

PASSES

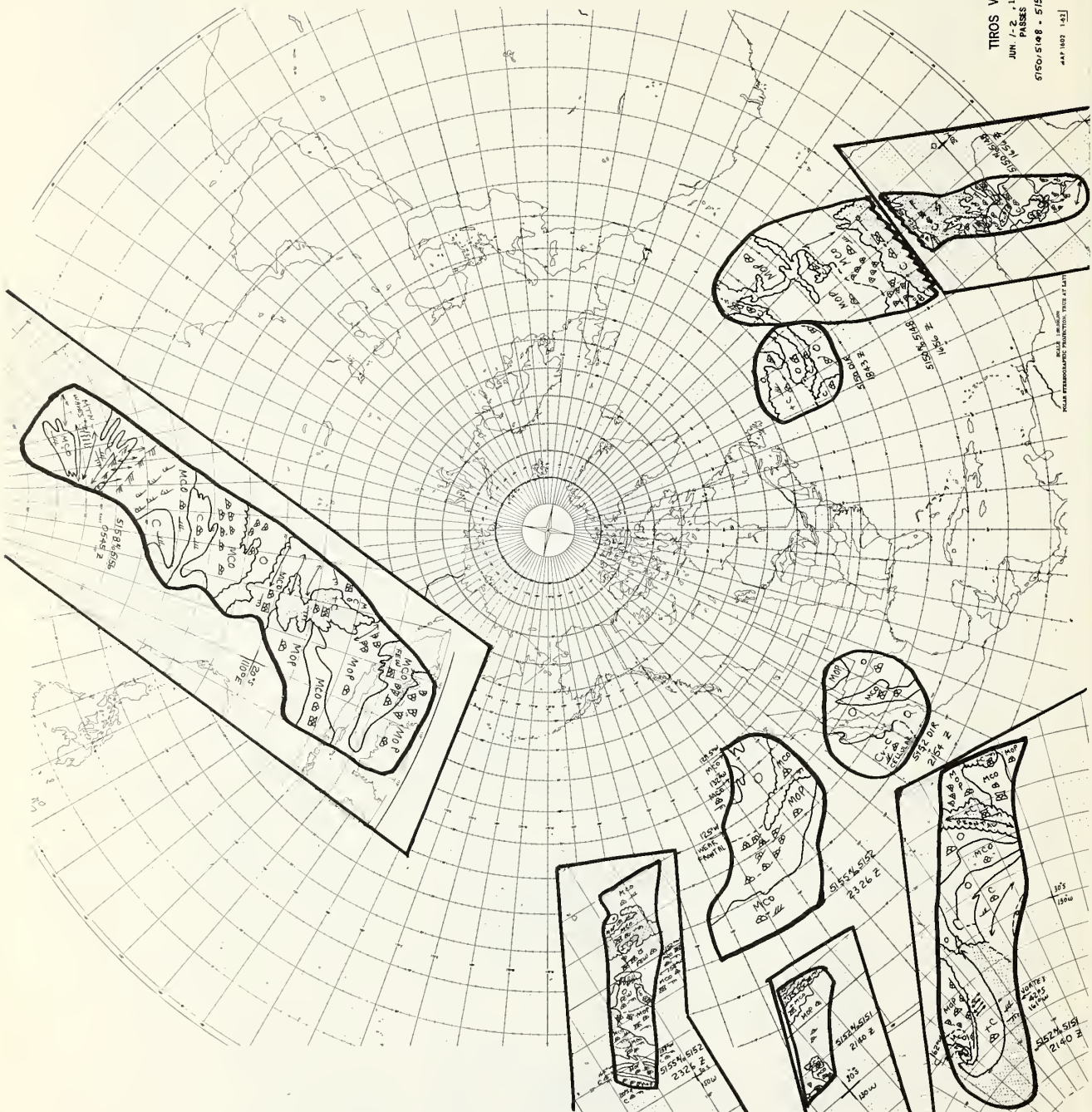
5121 / 5119 - 5124 / 5125

SCALE: 1:100,000
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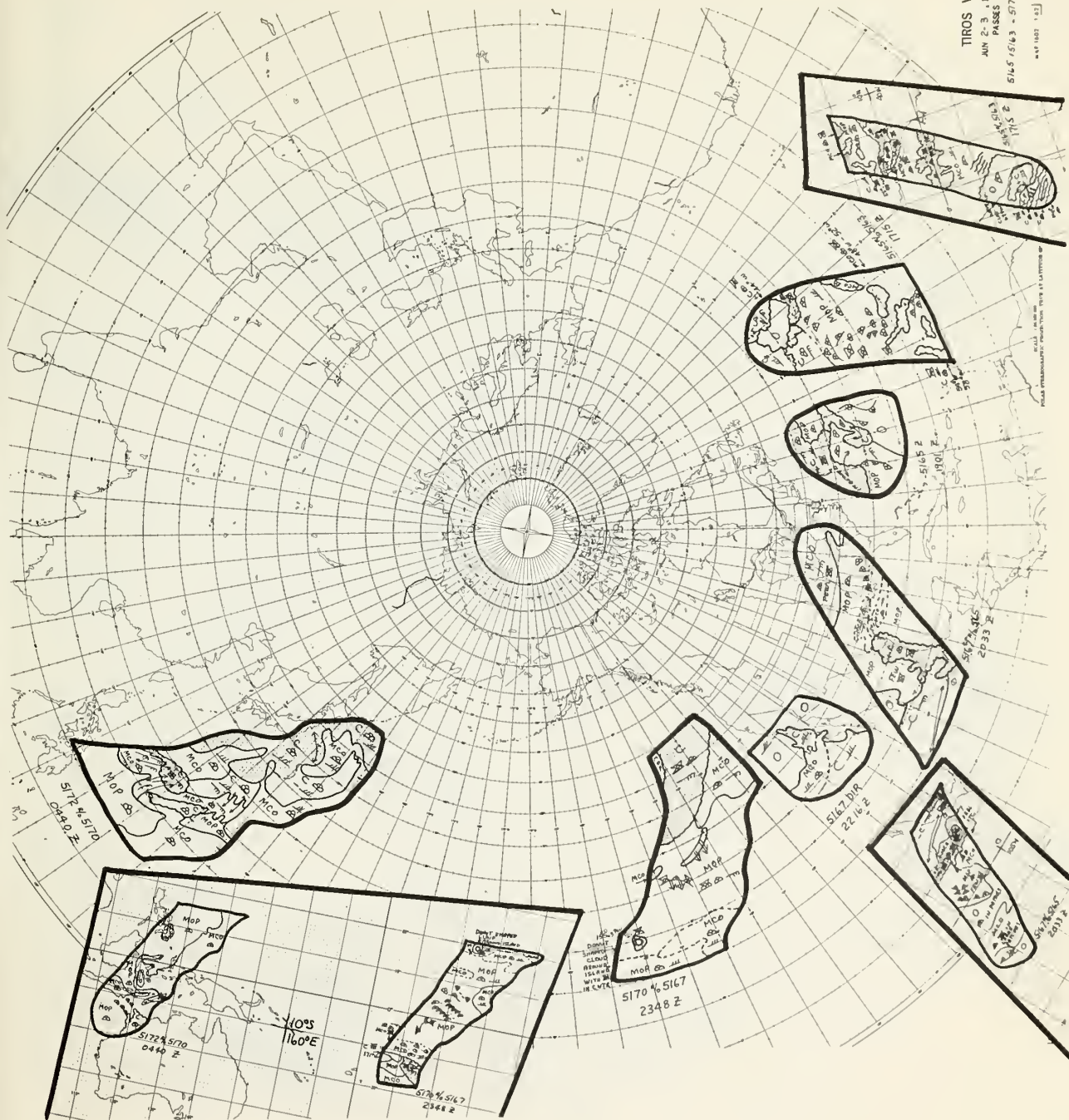
MAY 31 1964



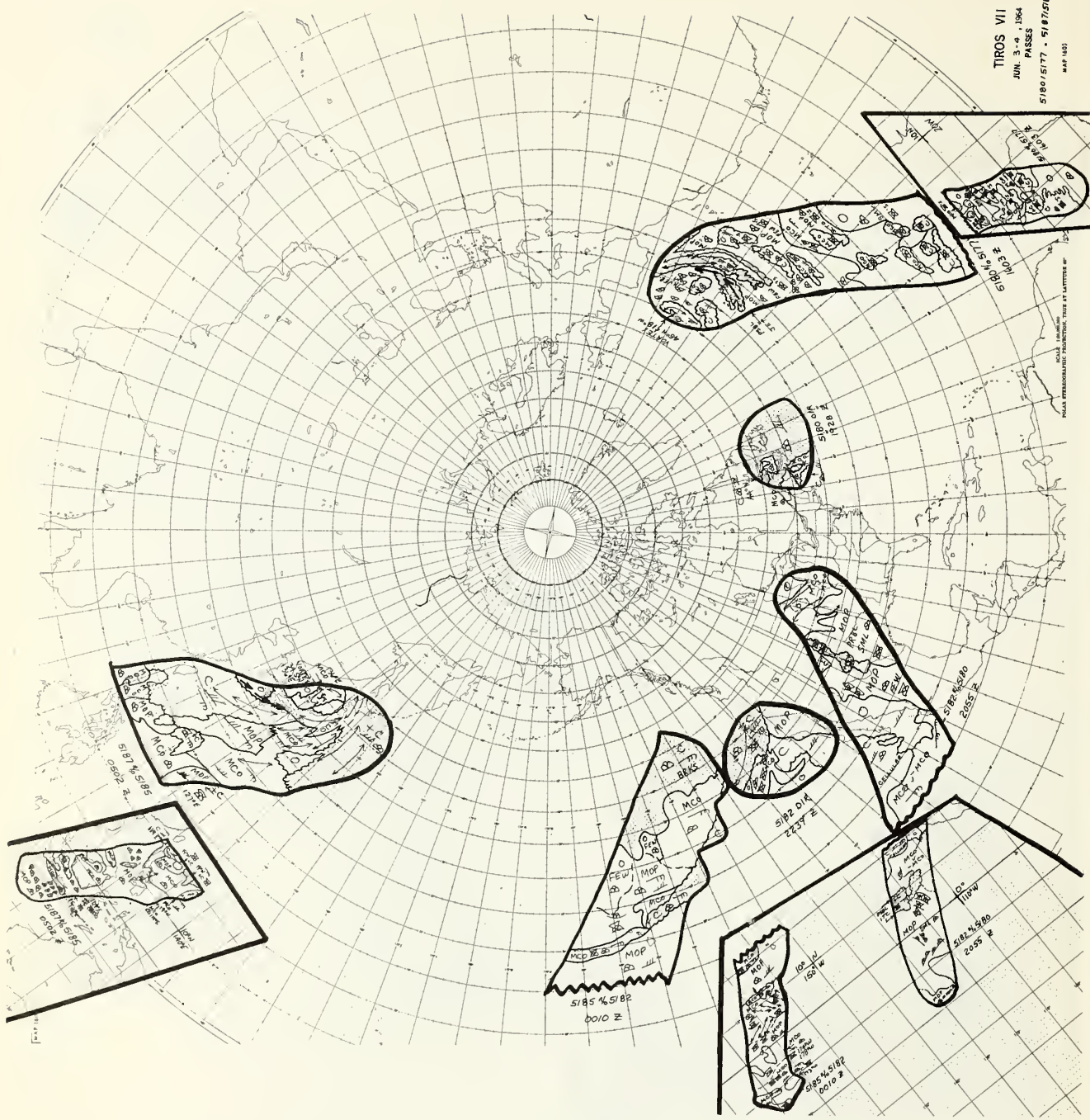
TIROS VII
 JUN - 2 - 1964
 PAGES
 5150.5108 - 5158.5156
 44P 1802 1.42



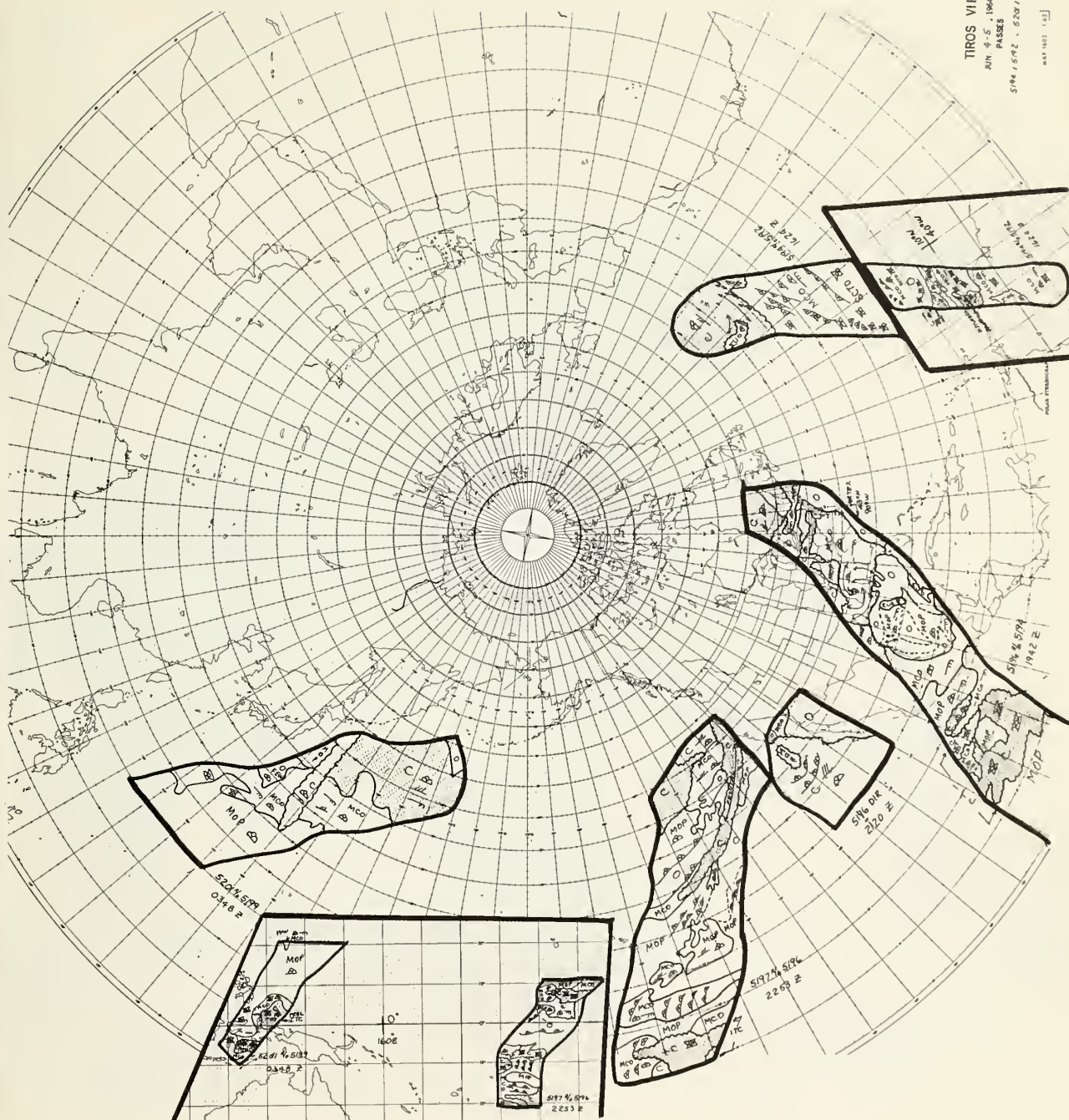
DE ALB : 104 1010 1010

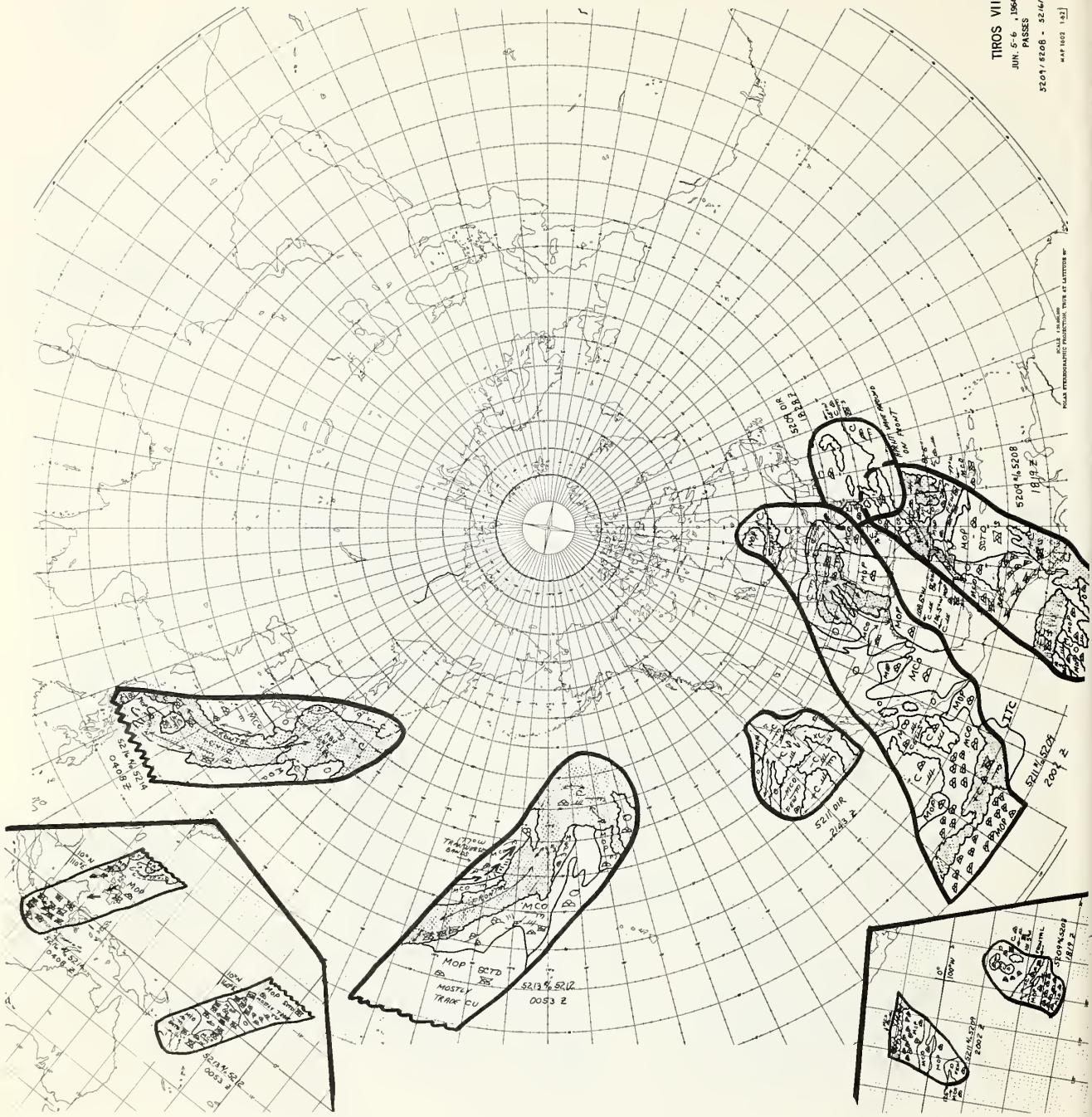


TIROS VII
 JUN. 3-4, 1964
 PASSES
 5180/5177 - 5187/5185
 MAP 183

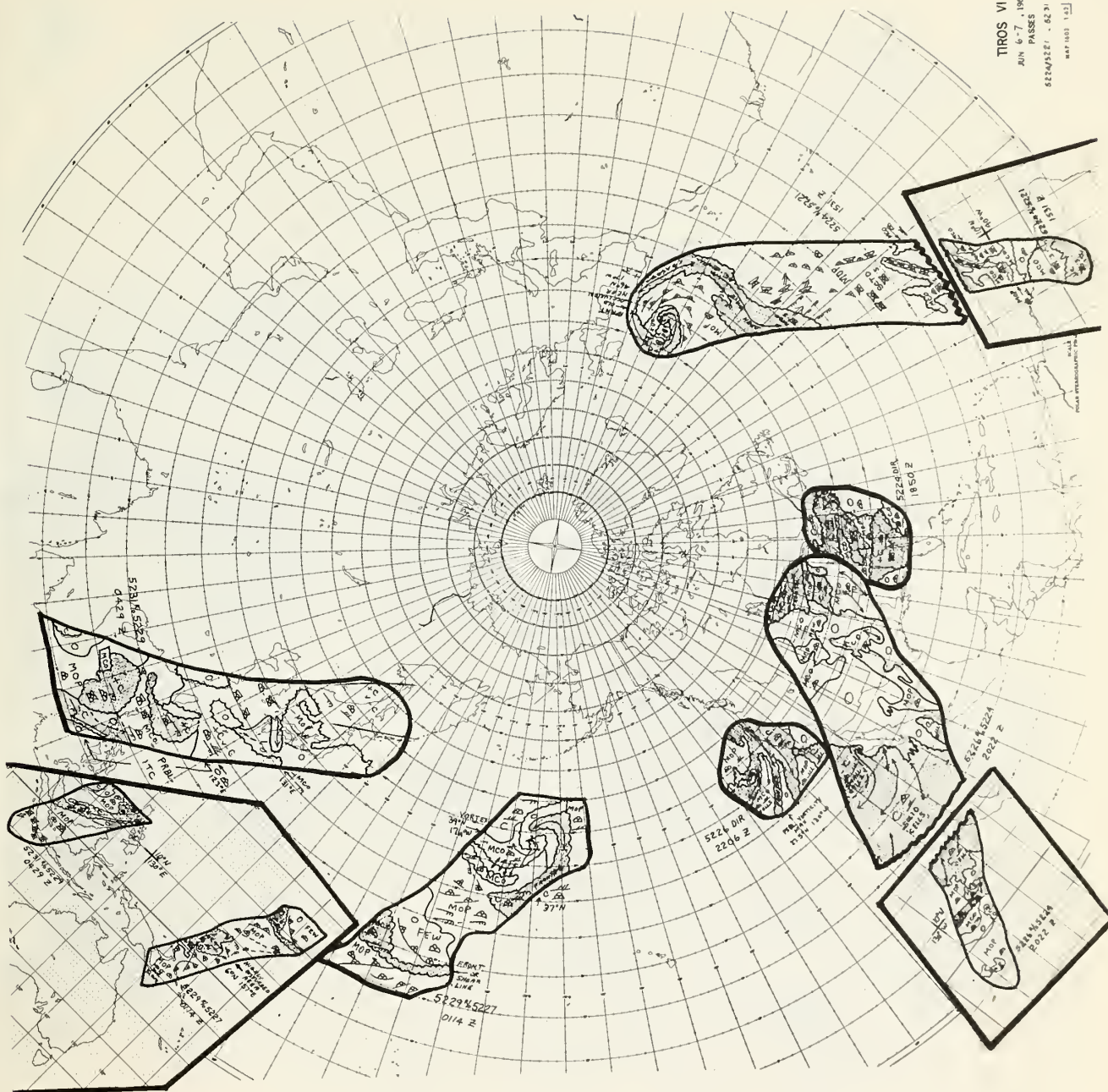


547 1602 1421

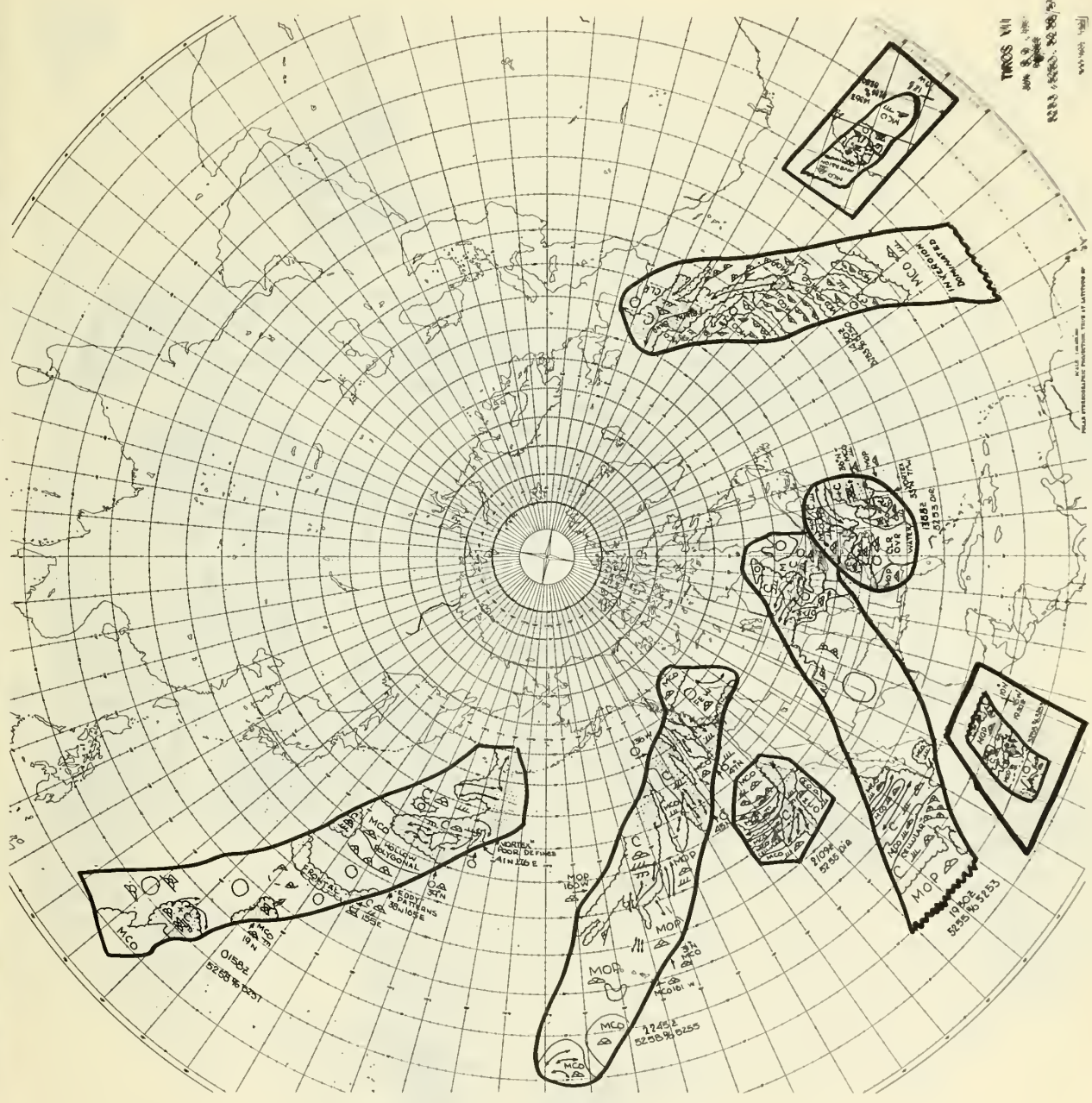




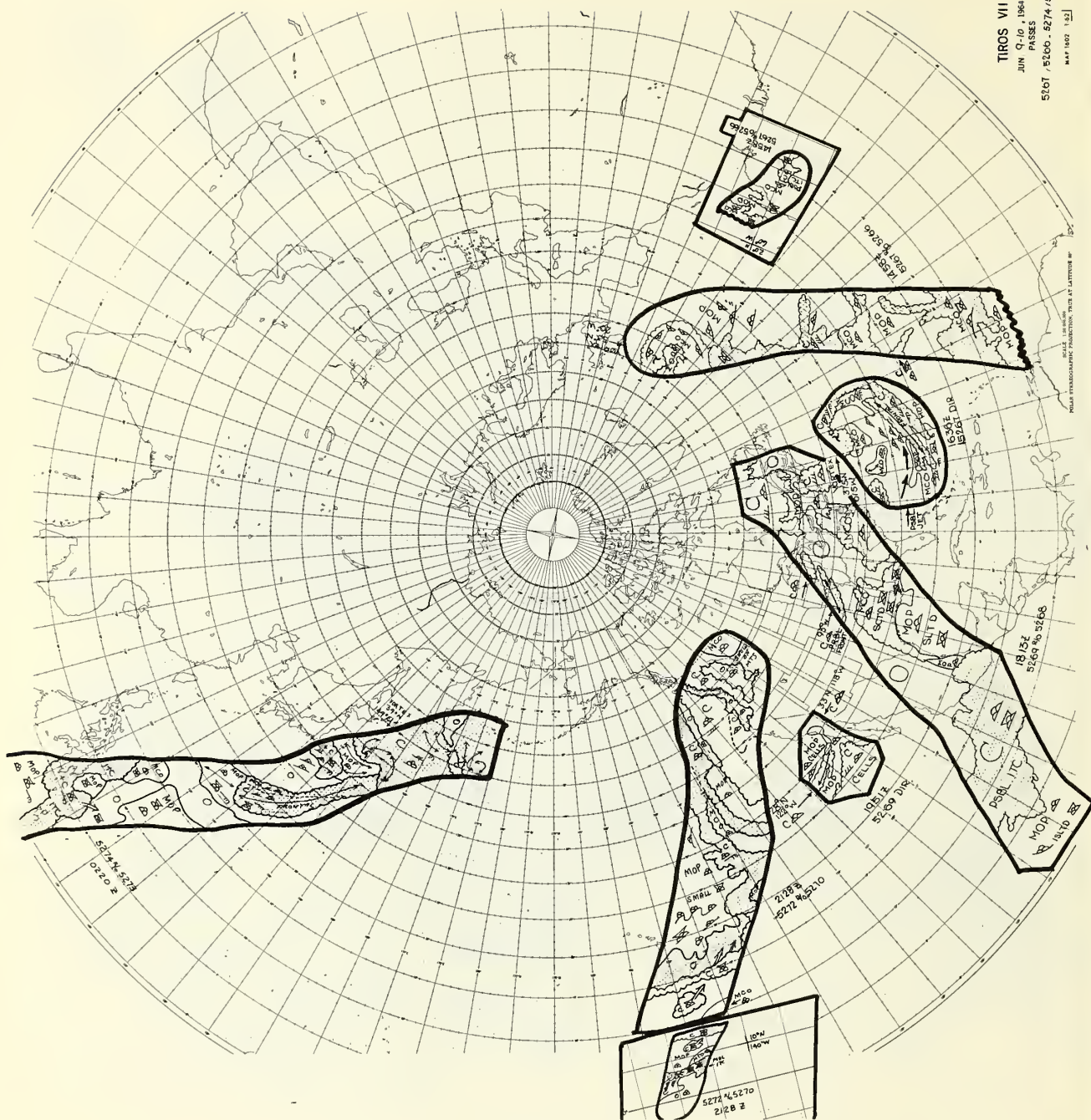
MAP 1602 1421

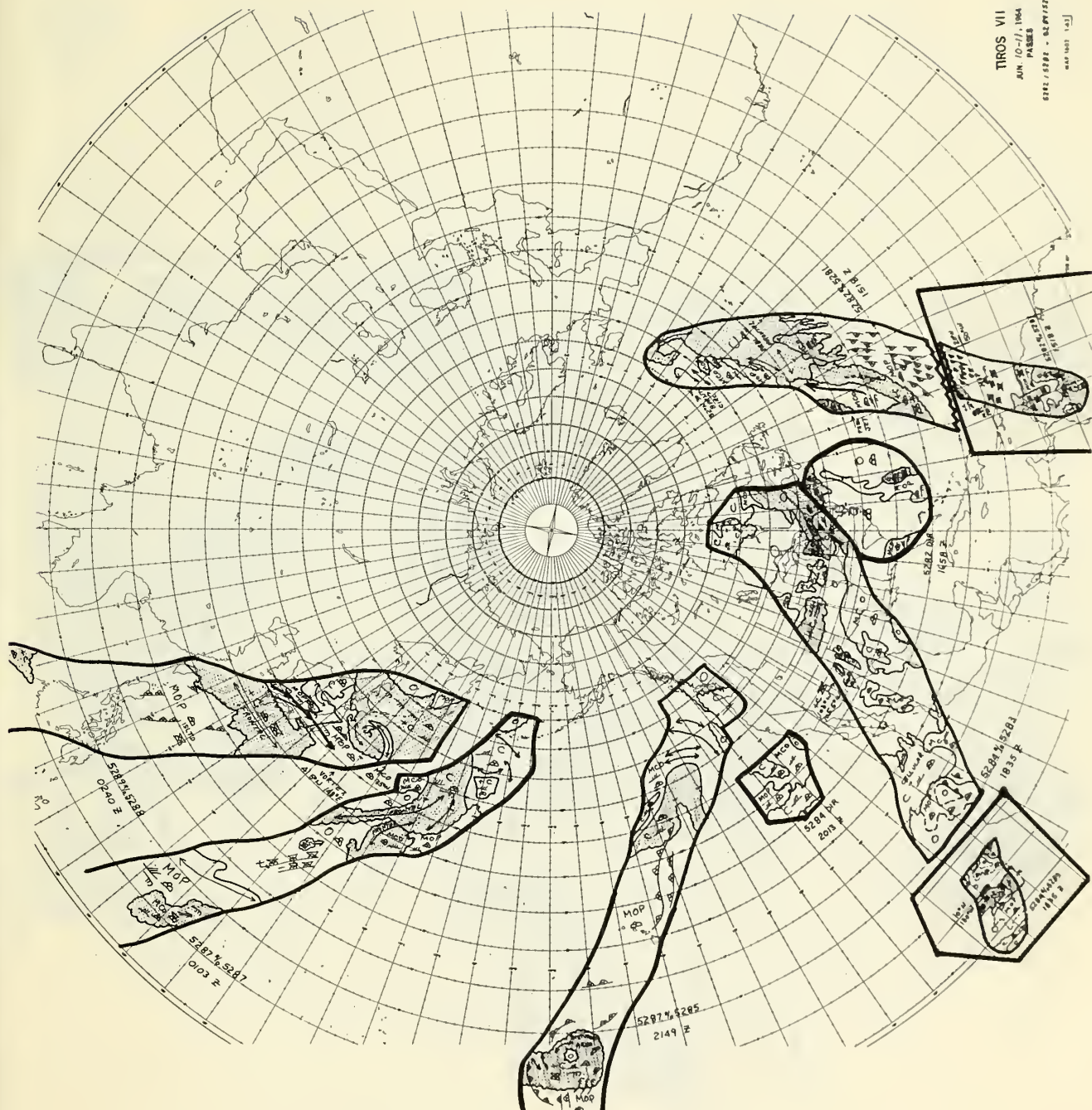


TROCS VII
 2000 8 9 1961
 2000 8 9 1961
 2000 8 9 1961
 2000 8 9 1961



MAP 1602 152





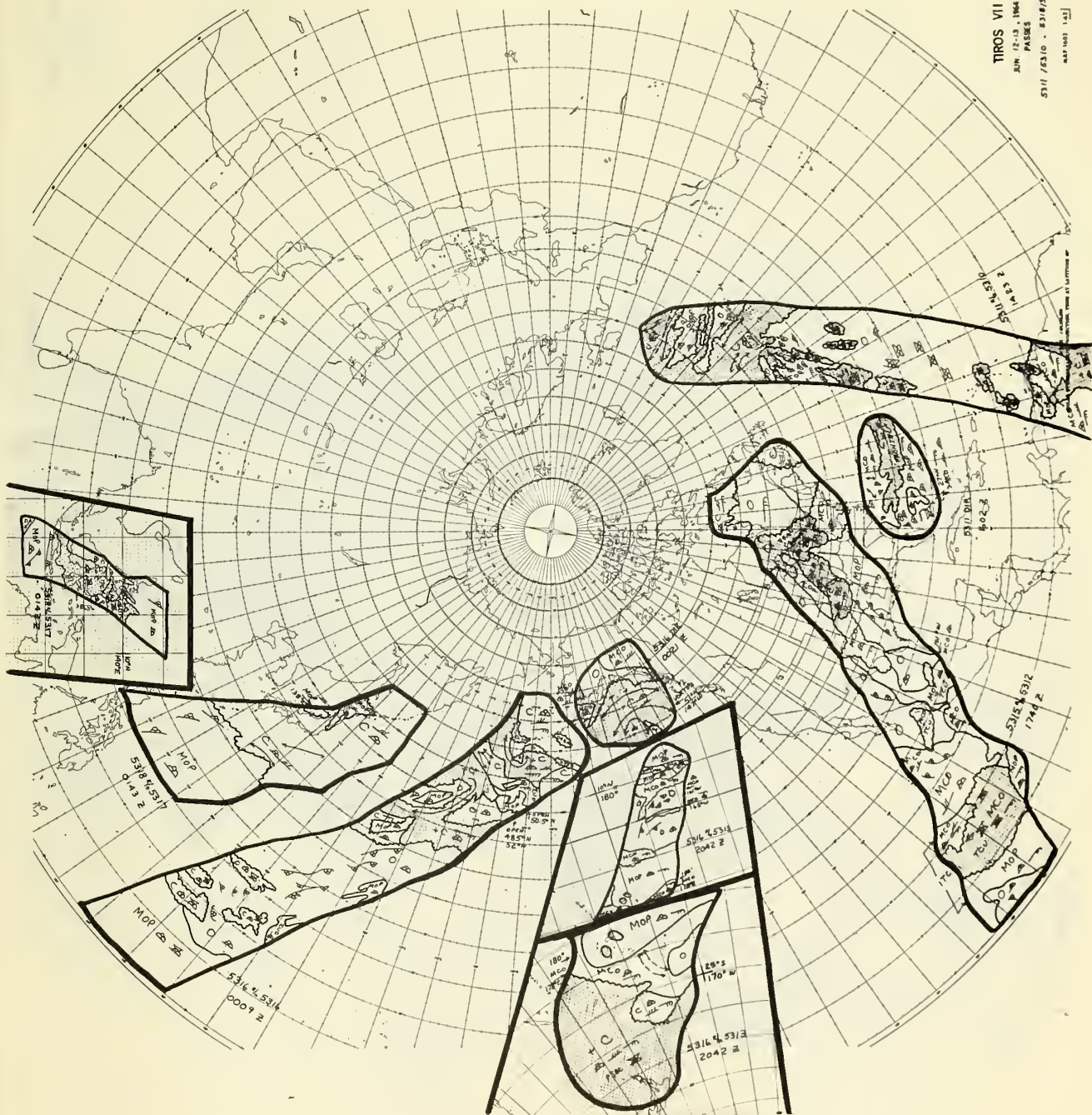
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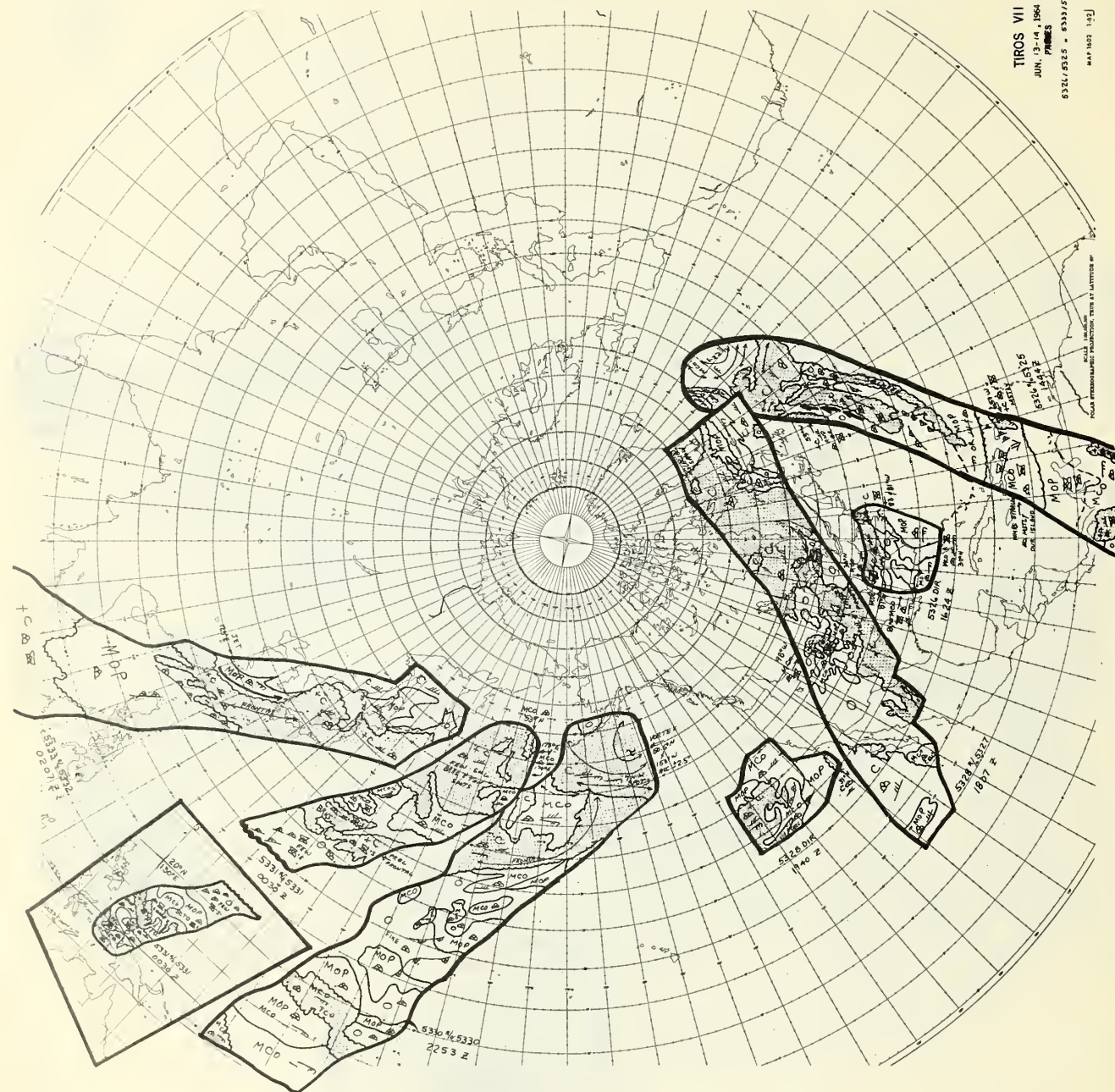
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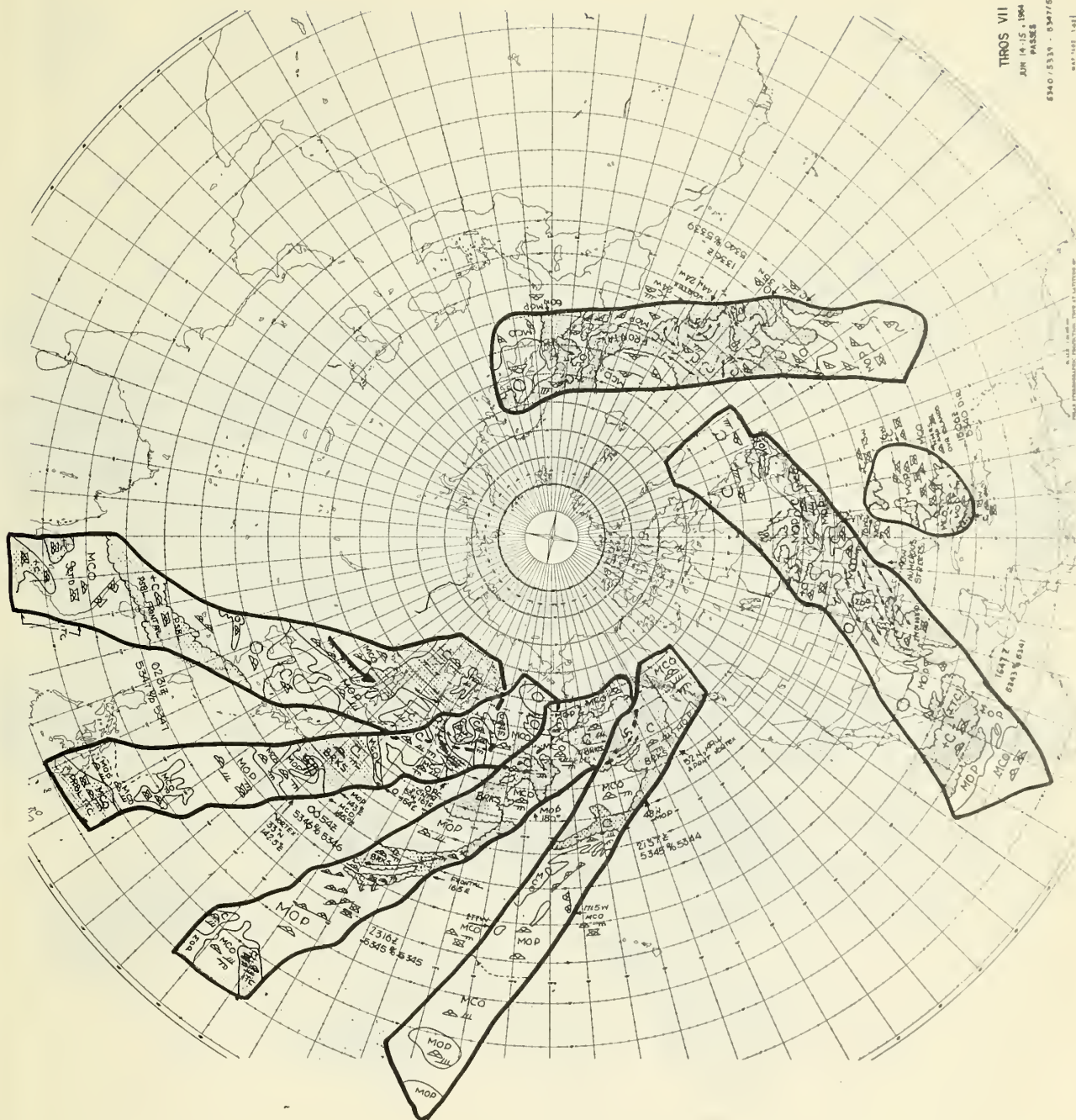
5311 / 5310 - 5318 / 5317

MAP 1603 1-63



MAP 1602 1-52





THOS VII

JUN 14 15 1964

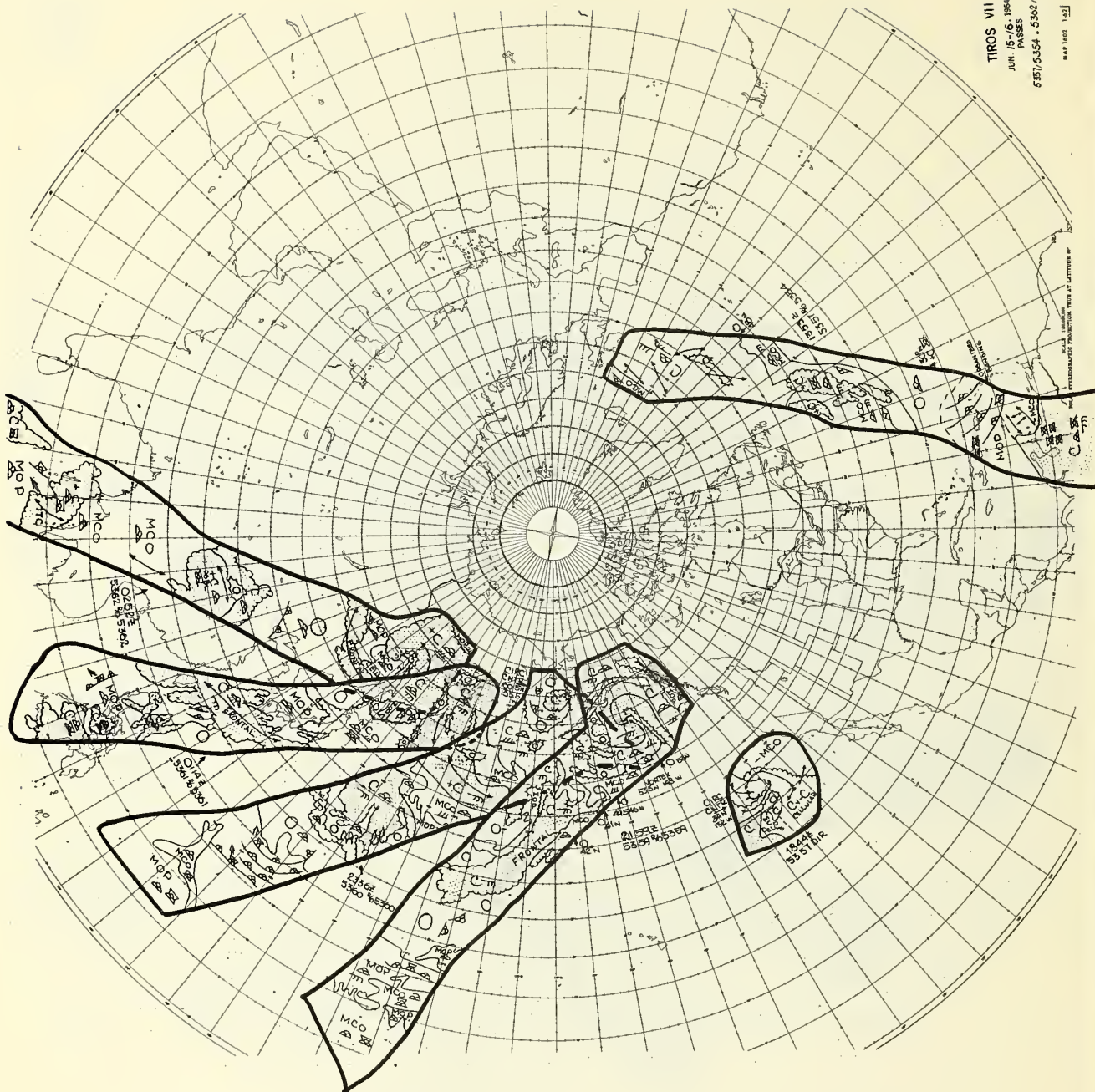
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5340/5335 - 0347/5347

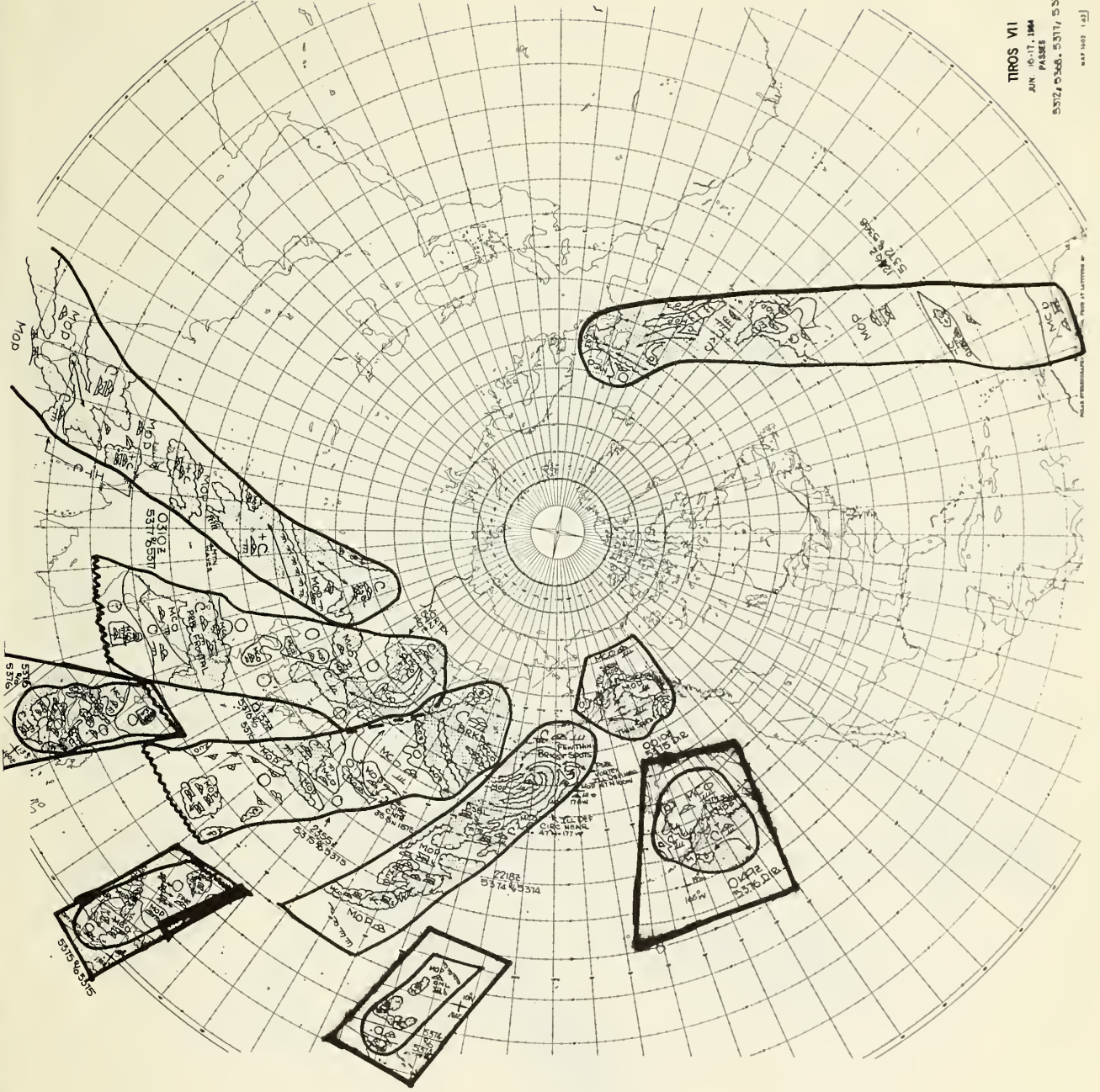
U.S. GOVERNMENT PRINTING OFFICE: 1964

TIROS VII
JUN 15-16, 1964
PASSES
5557/5354 - 5302/5302

MAP 1603 1-63



TIROS VII
 JUN. 0-17, 1964
 PASSES
 5312, 5366, 5371, 5377
 MAY 1963 123



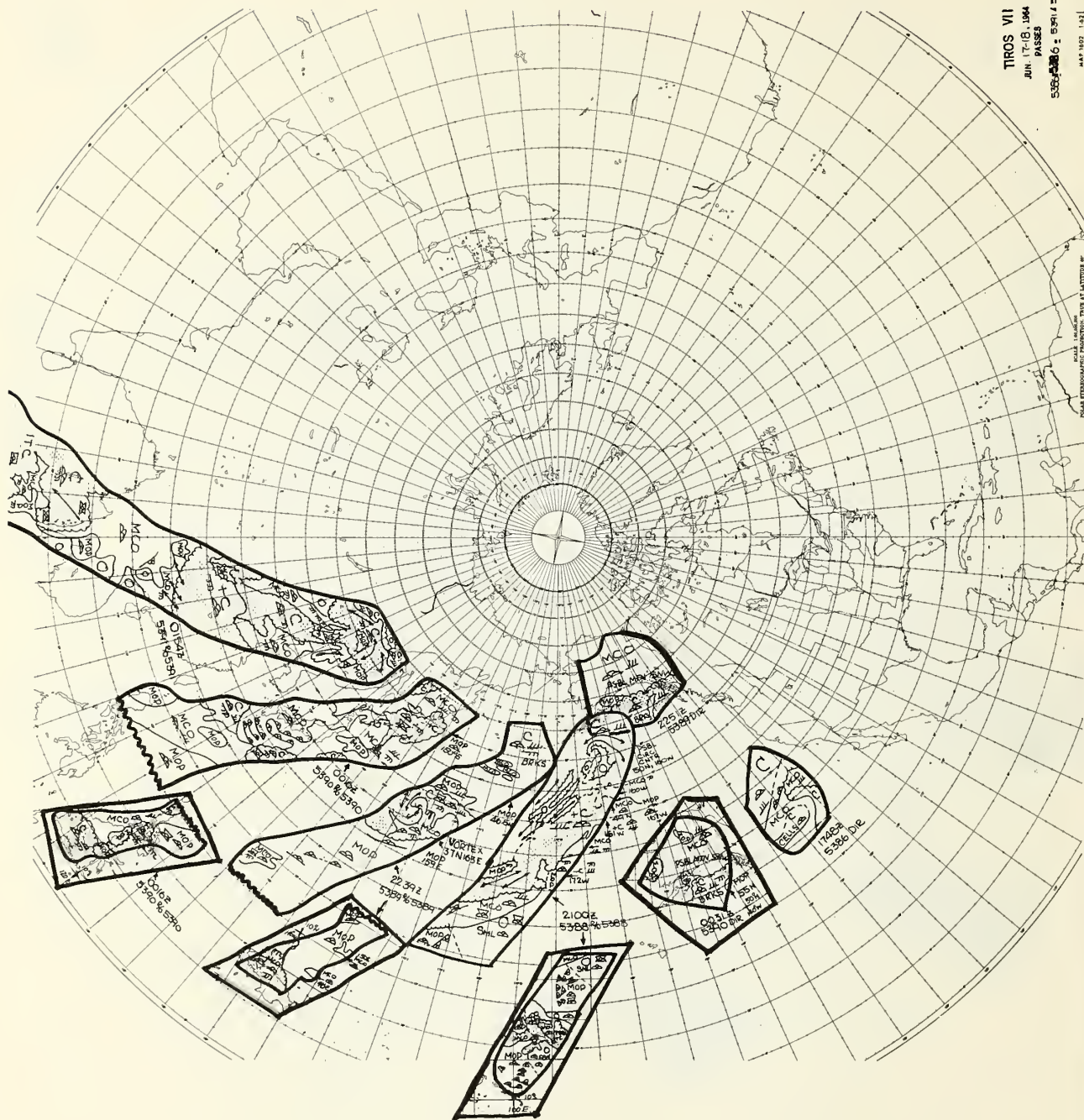
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JUN. 17-18, 1964

JUN. 17-18, 1958

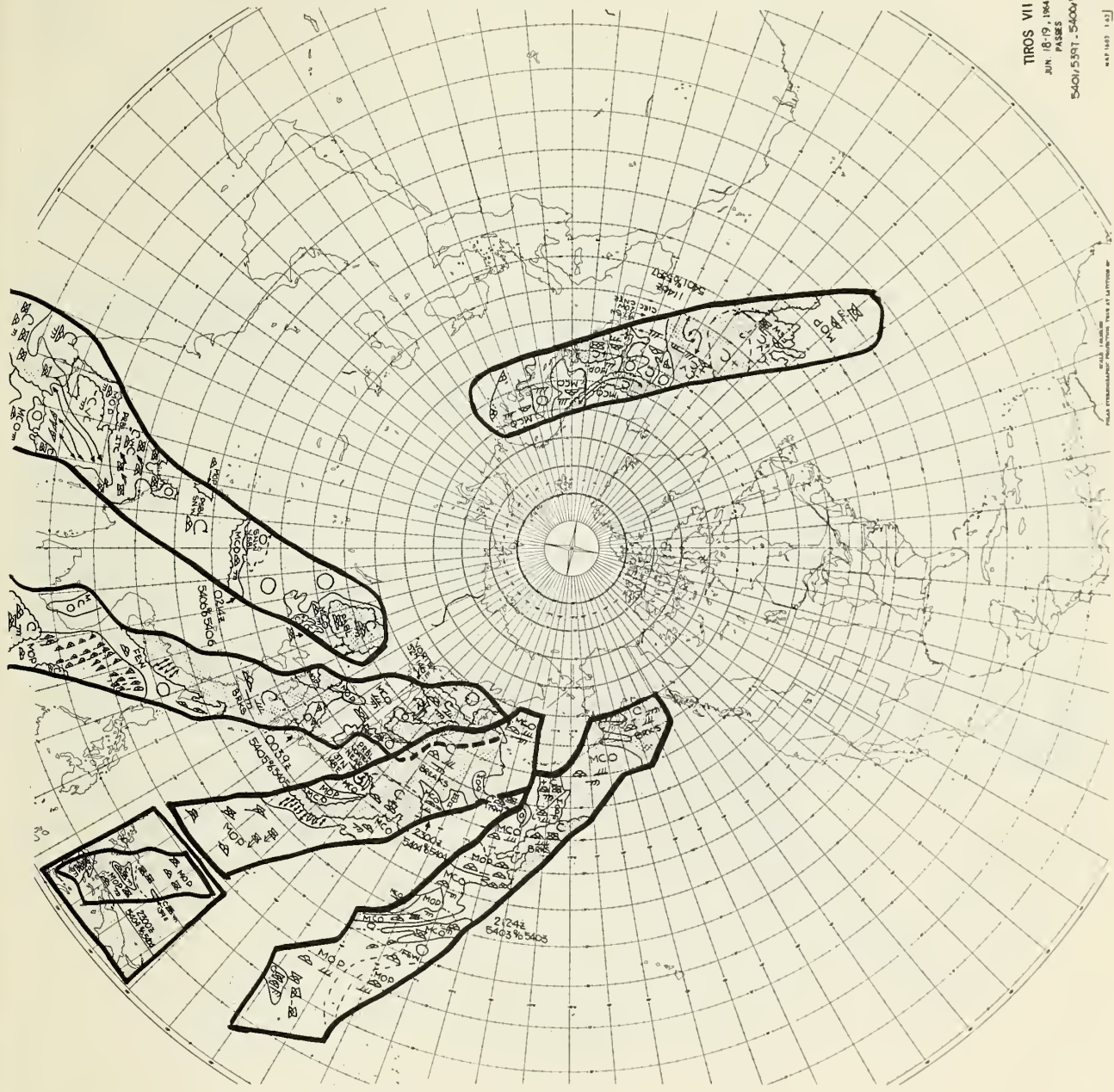
53855386 • 5391 / 5391

MAP 1807 1471

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POLAR STEREOGRAPHIC PROJECTION. TRUE AT LATITUDE 0°



TIROS VII
 JUN 18/19, 1964
 PAGES
 5401/5597 - 5400/5406



U.S. GOVERNMENT PRINTING OFFICE: 1964 O 540396

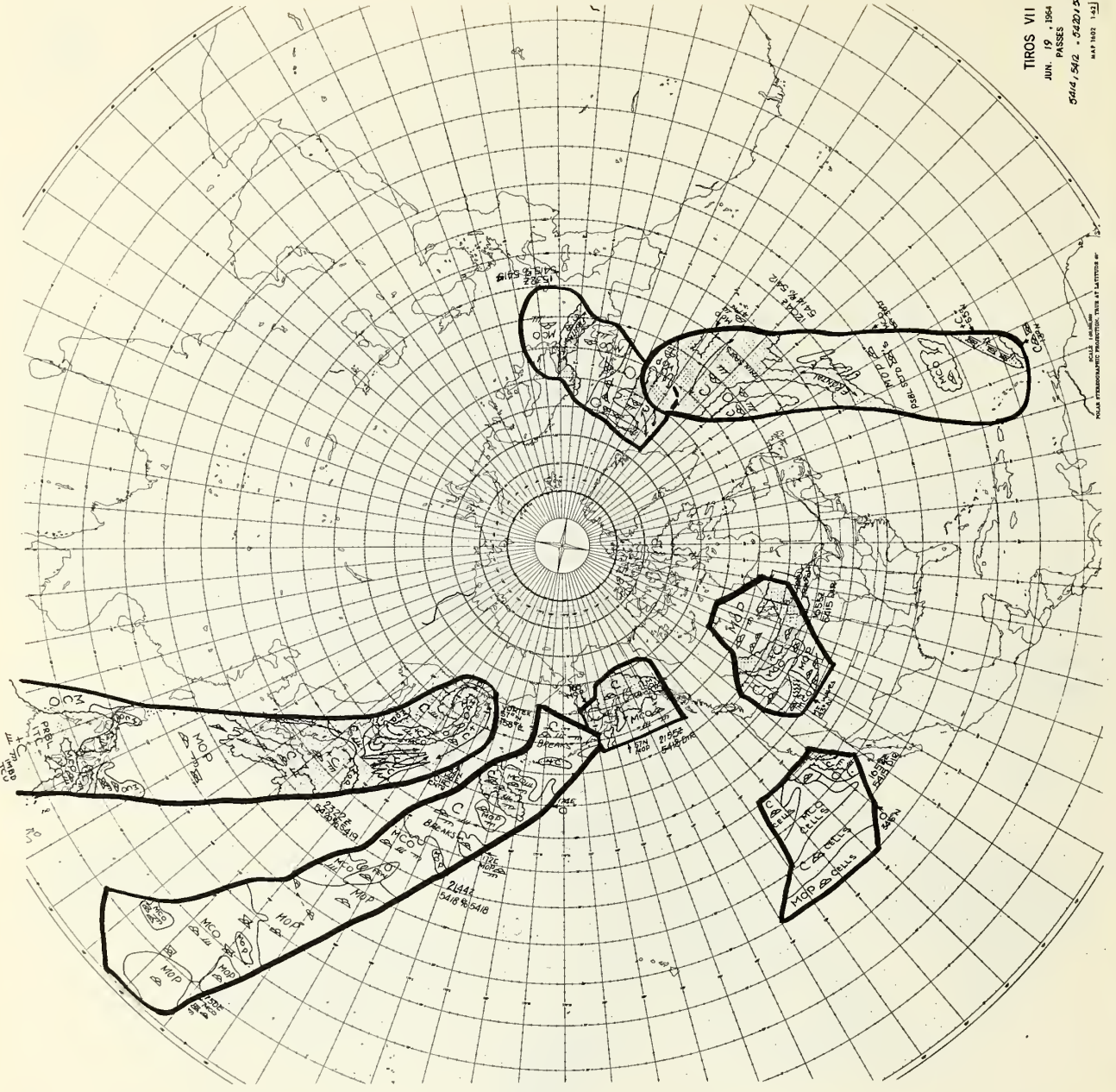
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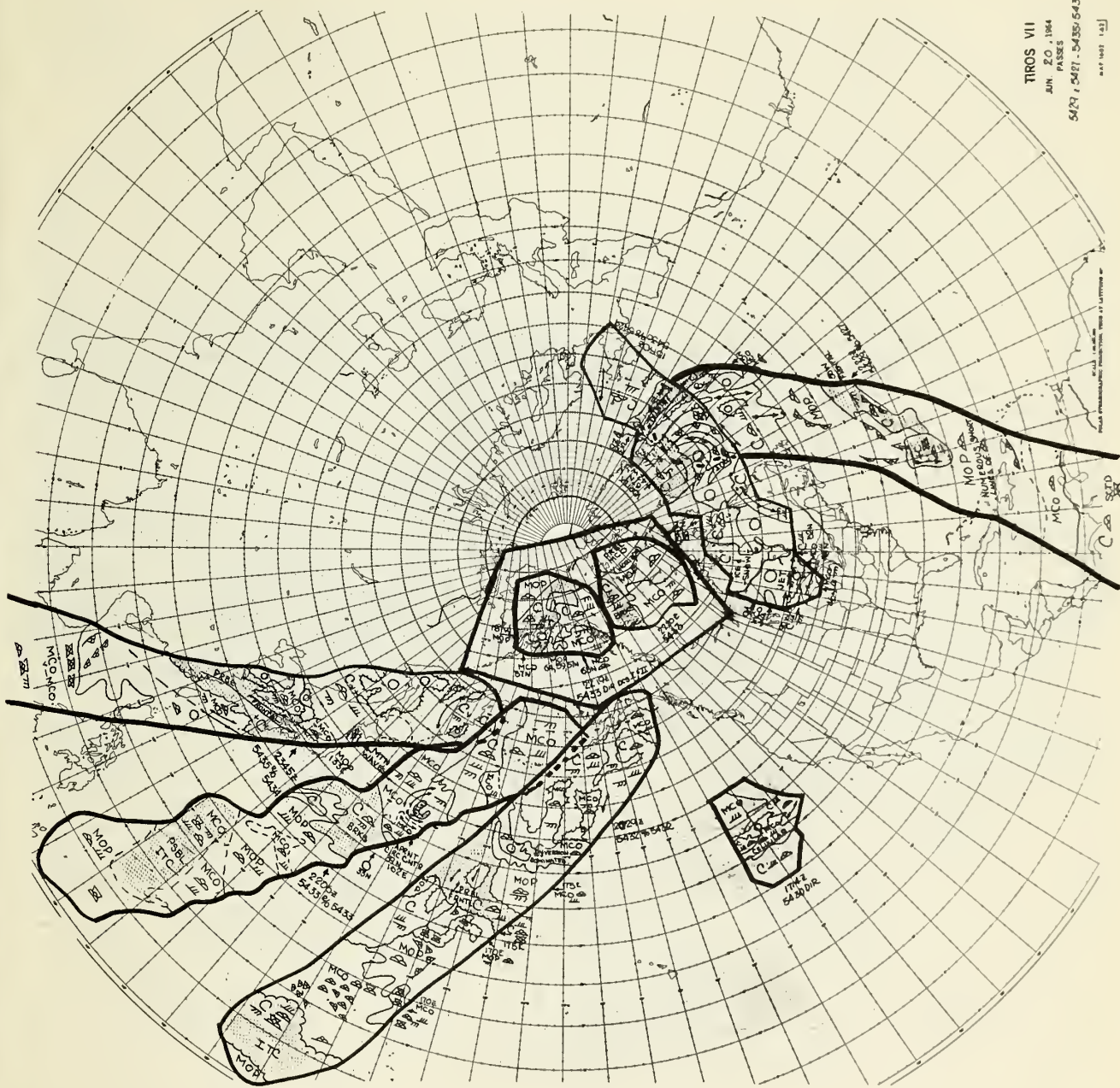
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5411, 5412, 5421, 5419

MAP 1803 1:53





TIROS VII

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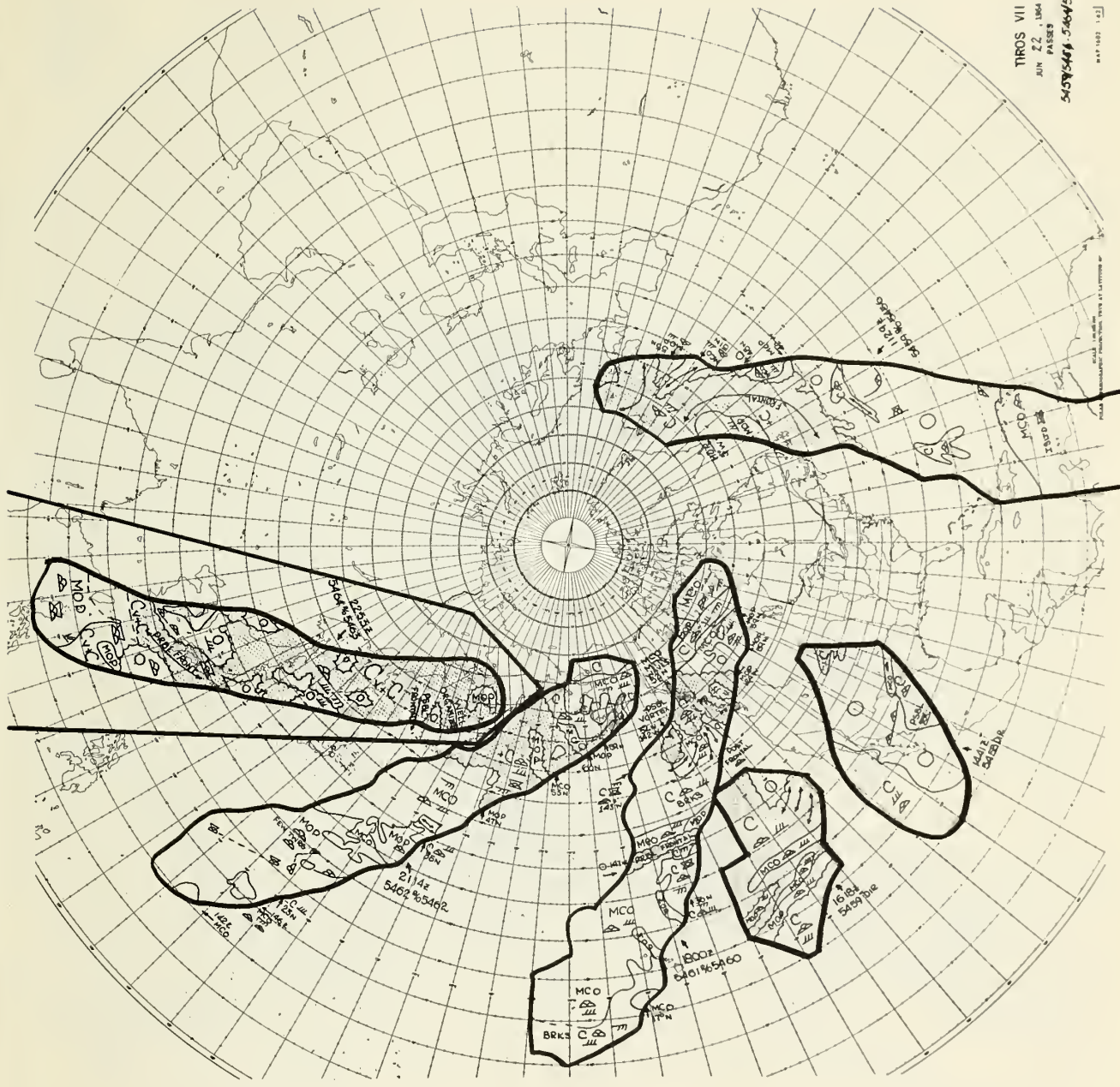
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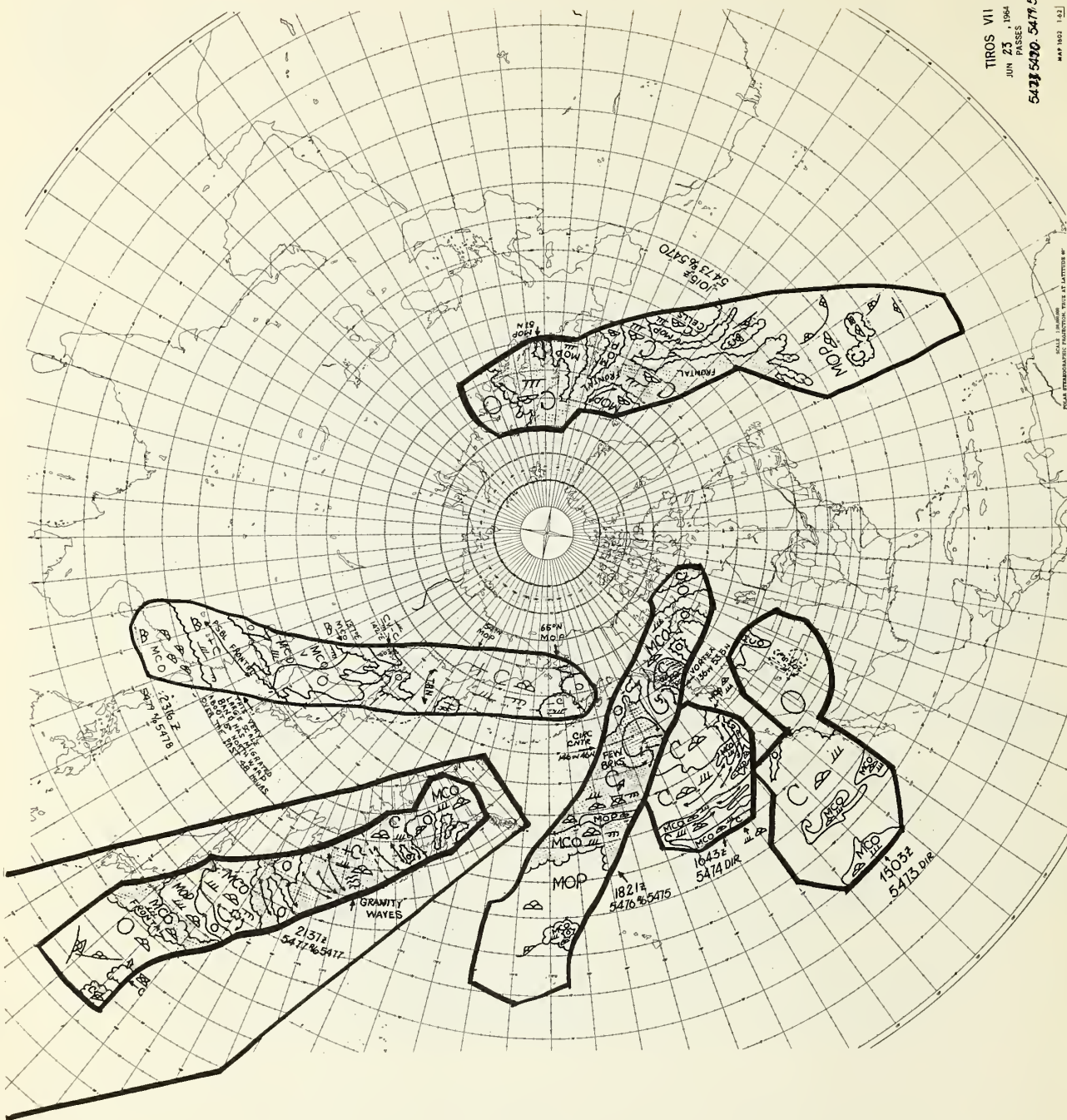
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 PASSES
 5443, 5441 - 5460 / 5449
 MAY 1952 1:52



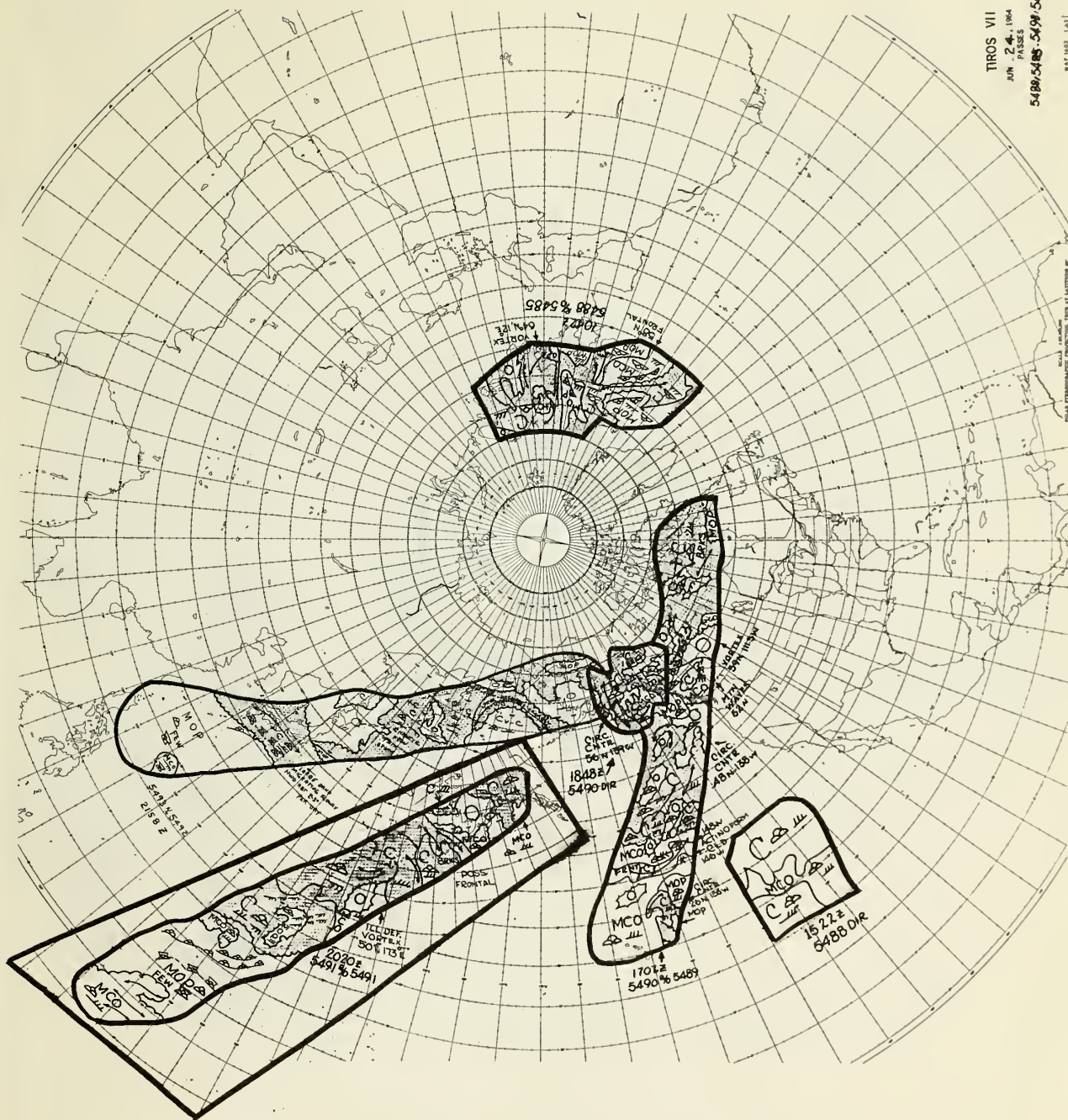


TIROS VII
JUN 22, 1964
PAGES
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MAY 1963 1-21

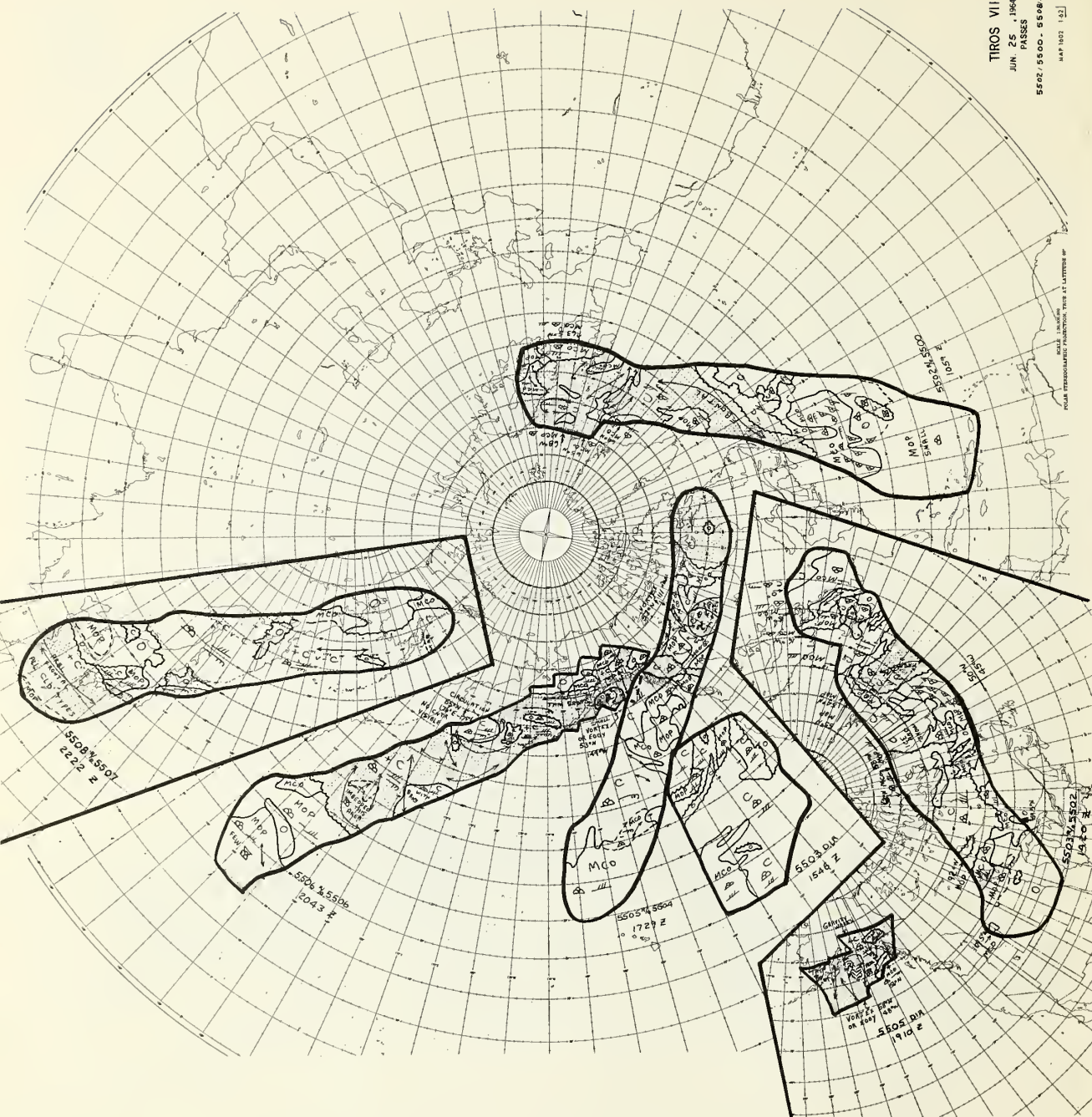
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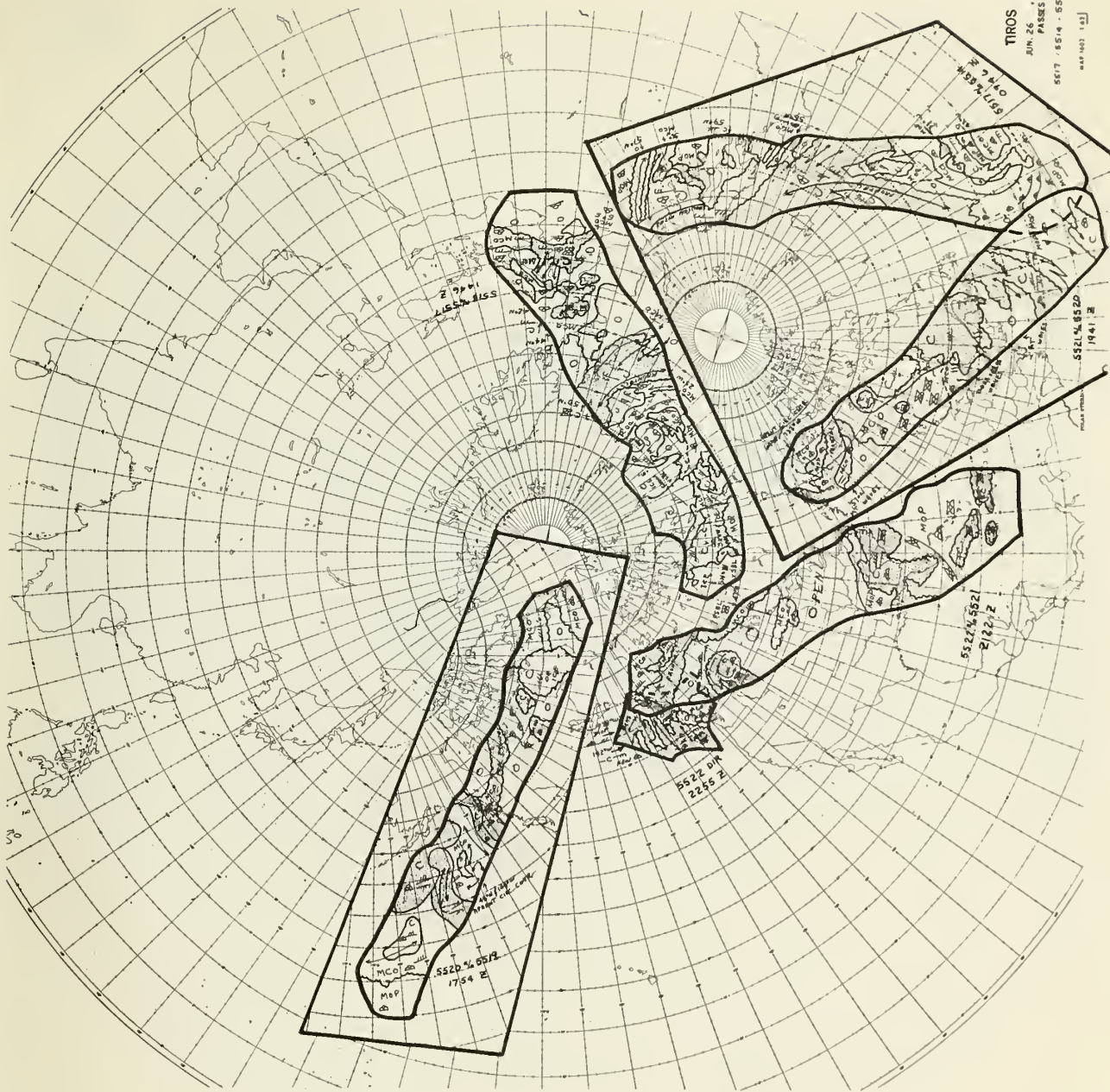


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MAP 1602 1-62]





TIROS VII

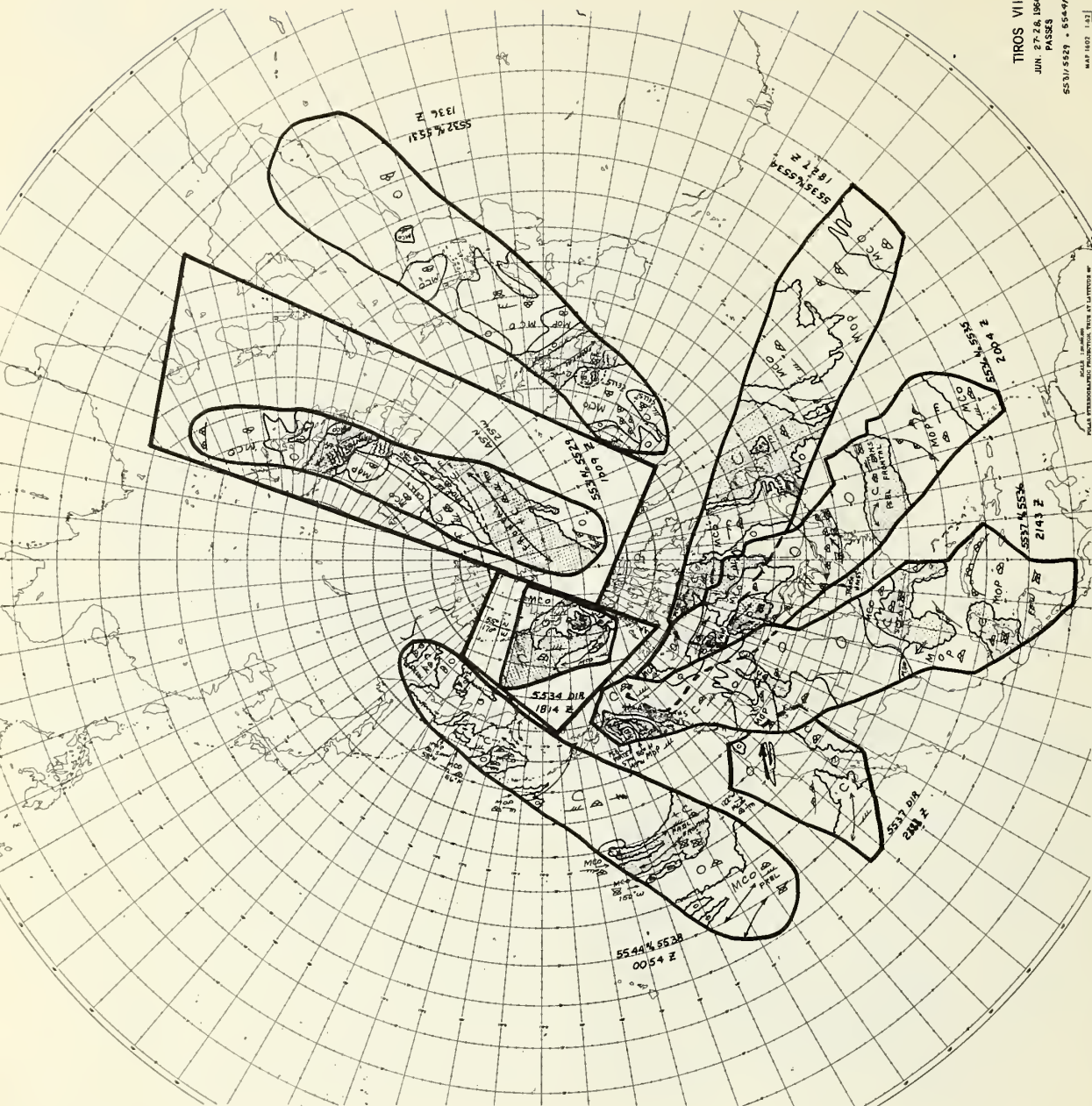
JUN. 26, 1964

PAGES

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MAP 1003 1 03

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 MAY 1967 132

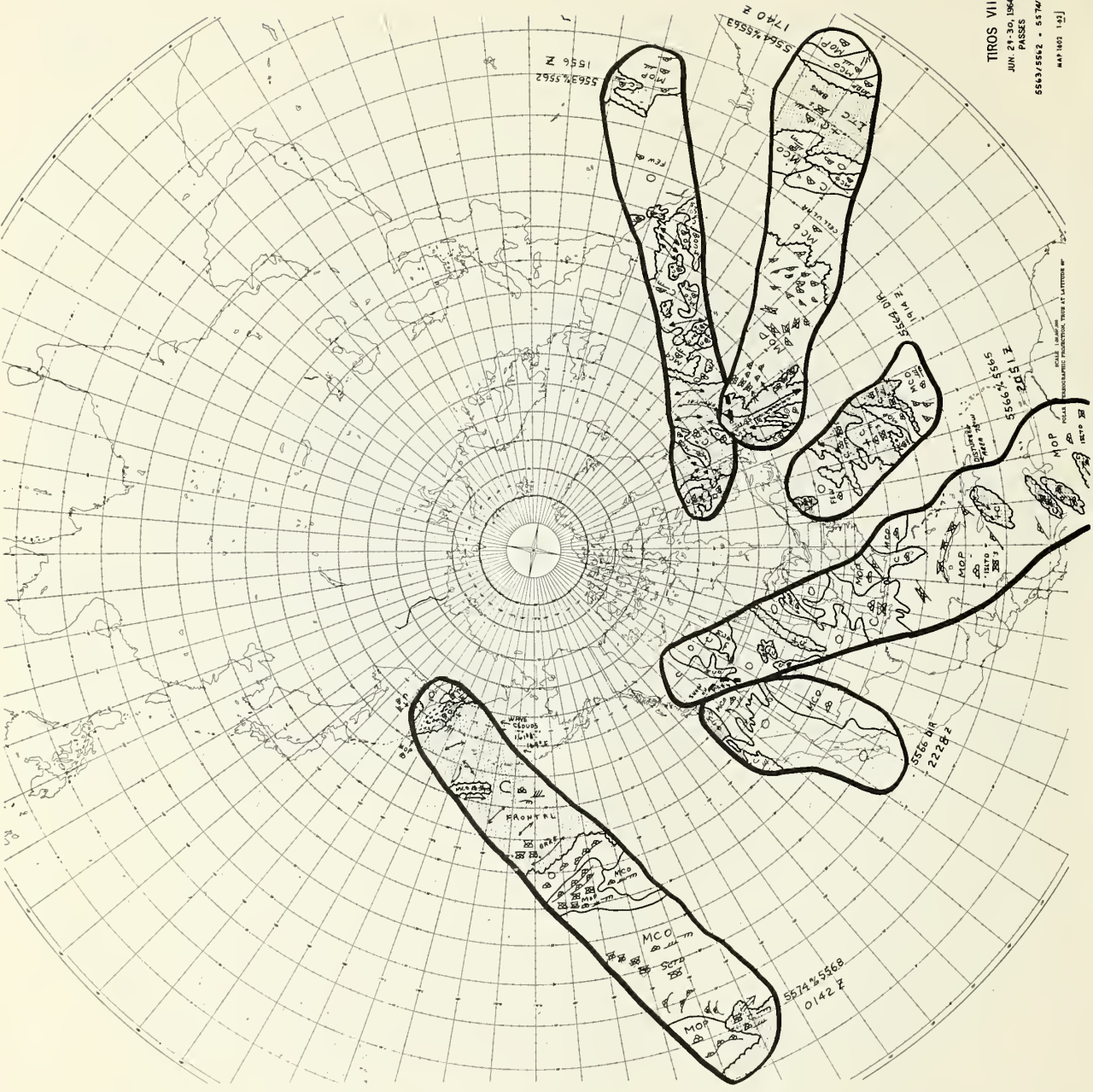


PAGES

554746543 • 555915551

MAP 1003 143

TIROS VII
 JUN 21-30, 1964
 PASSES
 5563/5562 - 5574/5568
 MAP 1005 1:25



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